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OM nucleic - nucleic search, using sw model

Run on: January 23, 2005, 00:57:13 ; Search time 159 Seconds
(without alignments)
7778.444 Million cell updates/sec

Title: US-09-167-516-1_COPY_2026_3765

Perfect score: 1740
Sequence: 1 AACGACGCGCAGCAGAGAT.....TGGGTCTGACGTGCACGTG 1740

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 824507 seqs, 355394441 residues

Total number of hits satisfying chosen parameters: 1649014

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 150 summaries

Database : Issued_Patents_NH:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 18 | 612.2 | 35.2 | 5532 | 4 | US-09-676-610B-17 |
| 19 | 495.6 | 28.5 | 2437 | 1 | US-08-456-647B-3 |
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| 21 | 491.2 | 28.2 | 5484 | 1 | US-09-632-580A-3 |
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| 25 | 349.6 | 20.1 | 4905 | 1 | US-07-978-895-3 |
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| 28 | 349.6 | 20.1 | 4905 | 4 | US-09-170-699-3 | Sequence 3, Appli |
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| 31 | 246.6 | 14.2 | 4545 | 6 | 5183884-3 | Patent No. 5183884 |
| 32 | 163 | 9.4 | 5993 | 3 | US-09-383-630-1 | Sequence 1, Appli |
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| 34 | 160.4 | 9.2 | 424 | 2 | US-08-475-035-2 | Sequence 2, Appli |
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| 37 | 156.6 | 9.0 | 576 | 1 | US-08-727-708-3 | Sequence 3, Appli |
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| 41 | 149.6 | 8.6 | 1839 | 1 | US-08-070-165F-7 | Sequence 7, Appli |
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| 57 | 146.2 | 8.4 | 3969 | 4 | US-09-982-610-23 | Sequence 23, Appli |
| 58 | 146.2 | 8.4 | 3969 | 5 | PCT-US95-04228-23 | Sequence 23, Appli |
| 59 | 146.2 | 8.4 | 3969 | 5 | PCT-US95-08812-5 | Sequence 5, Appli |
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| 65 | 146 | 8.4 | 2469 | 1 | US-07-997-133-2 | Sequence 2, Appli |
| 66 | 146 | 8.4 | 2469 | 1 | US-08-459-296-1 | Sequence 1, Appli |
| 67 | 146 | 8.4 | 2469 | 5 | US-07-997-133-2 | Sequence 2, Appli |
| 68 | 146 | 8.4 | 2662 | 2 | US-08-451-822A-14 | Sequence 14, Appli |
| 69 | 146 | 8.4 | 2662 | 3 | US-08-323-430-14 | Sequence 14, Appli |
| 70 | 146 | 8.4 | 2733 | 1 | US-08-371-001-14 | Sequence 14, Appli |
| 71 | 146 | 8.4 | 2733 | 5 | PCT-US96-00331-14 | Sequence 14, Appli |
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| 74 | 139.8 | 8.0 | 2598 | 4 | US-09-417-197-110 | Sequence 110, App |
| 75 | 139.8 | 8.0 | 2616 | 4 | US-09-417-197-108 | Sequence 108, App |
| 76 | 137.6 | 7.9 | 2675 | 1 | US-08-070-165F-5 | Sequence 5, Appli |
| 77 | 137.6 | 7.9 | 2675 | 2 | US-08-885-418-5 | Sequence 9, Appli |
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| 90 | 128 | 7.4 | 3254 | 4 | US-08-162-809-15 | Sequence 15, Appli |
| 91 | 127.8 | 7.3 | 1893 | 2 | US-08-596-319-1 | Sequence 1, Appli |
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| 101 | 123.8 | 7.1 | 3116 | 5 | PCT-US95-04681-14 | Sequence 14, Appl |
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| 106 | 123.4 | 7.1 | 410 | 3 | US-08-604-991-11 | Sequence 11, Appl |
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| 108 | 123.4 | 7.1 | 2065 | 3 | US-08-335-8650-8 | Sequence 8, Appl |
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| 138 | 115 | 6.6 | 3845 | 4 | US-09-866-510-13 | Sequence 13, Appl |
| 139 | 114 | 6.6 | 3321 | 4 | US-09-866-510-15 | Sequence 15, Appl |
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| 150 | 114 | 6.6 | 5427 | 1 | US-08-168-917-1 | Sequence 1, Appl |

ALIGNMENTS

RESULT 1
 US-08-625-101-1
 ; Sequence 1, Application US/08625101
 ; Patent No. 5869445
 ; GENERAL INFORMATION:
 ; APPLICANT: Cheever, Martin A.
 ; TITLE OF INVENTION: COMPOUNDS FOR ELICITING OR ENHANCING IMMUNE
 ; TITLE OF INVENTION: REACTIVITY TO HER-2/neu PROTEIN FOR PREVENTION
 ; TITLE OF INVENTION: OR TREATMENT OF MALIGNANCIES IN WHICH THE HER-2/neu
 ; TITLE OF INVENTION: ONCOGENE IS ASSOCIATED
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: SEED and BERRY LLP
 ; STREET: 6300 Columbia Center, 701 Fifth Avenue
 ; CITY: Seattle
 ; STATE: Washington
 ; COUNTRY: USA

ZIP: 98104-7092
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/625,101
 FILING DATE: 01-APR-1996
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Sharkey, Richard G.
 REGISTRATION NUMBER: 32,629
 REFERENCE/DOCKET NUMBER: 920010.448C7
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 622-4900
 TELEFAX: (206) 682-6031
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3768 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..3765
 US-08-625-101-1

Query Match 100.0%; Score 1740; DB 2; Length 3768;
 Best local Similarity 100.0%; Pred. No. 0;
 Matches 1740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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| DB | 2026 | AACGACGCGAGCAGAGAGATCCGGAAGTACACATGCGAGACTGCTGCAGAAACCGAG | 2085 |
| QY | 61 | CTGTGTGAGCGCGGTGACACCTAGCGAGCGATGCCAACCGGCGAGATGGATCTTG | 120 |
| DB | 2086 | CTGTGTGAGCGCGGTGACACCTAGCGAGCGATGCCAACCGGCGAGATGGATCTTG | 2145 |
| QY | 121 | AAAGACGCGAGCTGAGAGAGTGAAGTCTTGATCTTGCGGCTTTTGACAGTCTAC | 180 |
| DB | 2146 | AAAGACGCGAGCTGAGAGAGTGAAGTCTTGATCTTGCGGCTTTTGACAGTCTAC | 2205 |
| QY | 181 | AAGGCGATCTGATCTCCCTGATGCGGAGATGTGAATTCAGTGGCCATCAAGTTTG | 240 |
| DB | 2206 | AAGGCGATCTGATCTCCCTGATGCGGAGATGTGAATTCAGTGGCCATCAAGTTTG | 2265 |
| QY | 241 | AGGGAACACATCCCGCAAGCCAAAGCAAAAGAAATCTTGAAGAGATCGATGGCT | 300 |
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| DB | 2326 | GGTGTGGGCTCCCATATATGTCTCCGCTTCTGGGCTATGCTGCATCCAGCGTGCAG | 2385 |
| QY | 361 | CTGTGTGACACAGCTTATGCTTATGCTGCTCTTGAACCATGTCCGGGAAACCGCGGA | 420 |
| DB | 2386 | CTGTGTGACACAGCTTATGCTTATGCTGCTCTTGAACCATGTCCGGGAAACCGCGGA | 2445 |
| QY | 421 | CGCTGTGGCTCCAGAGACCTGCTGAACCTGTGTATGAGATTTGCCAAGGGGAGAGCTAC | 480 |
| DB | 2446 | CGCTGTGGCTCCAGAGACCTGCTGAACCTGTGTATGAGATTTGCCAAGGGGAGAGCTAC | 2505 |
| QY | 481 | CTGAGAGATGTGGGCTGCTGACAGAGGACTTGGCGCTGGAACGCTGTCAAGAGT | 540 |
| DB | 2506 | CTGAGAGATGTGGGCTGCTGACAGAGGACTTGGCGCTGGAACGCTGTGTCAAGAGT | 2565 |
| QY | 541 | CCCAACCATGTCAAAATTACAGACTTTCGGGCTGCTGCTGCTGACATTGACGAGACA | 600 |
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| QY | 601 | GAGTACCATGCAATGAGGGGCAAGTGCCCATCAAGTGAATGGCGCTGAGATTCATTCTC | 660 |

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| Db | 2626 | GAGTACCATGCAAGATGGGGGCAAGGTGCCATCAAGTGGATGGGCTGGAGTCCATTCTC | 2685 |
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| Qy | 721 | ATGACTTTGGGGCCAACTTTATCGATGGGATCCAGGCCGGGGAGATCCCTGACCTGTGT | 780 |
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| Qy | 781 | GAAAGGGGGAGCGGCTGCCAGGCCCCCACTGSCACATTTGATGTCTACATGATCATG | 840 |
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| Qy | 901 | TTCTTCGCCGATGGCCAGGAGACCCCAAGCGTTTGTGTGATTCACAGATGAGACTGGCC | 960 |
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| Db | 2986 | CCAGCAGATCCCTTTGGACAGCACTTTCACCGCTCATCTGGAGGAGATGAGACTGGGG | 3045 |
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| Db | 3046 | GACCTGTGATGTGCTGAGAGATCTGTGTGATCCCAAGAGGACTTTCTGTCCAGACCTT | 3105 |
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| Qy | 1321 | CCCAACAGTACCCCTGCGCCTCTTGAACTGTATGGCTACCTTGGCCCCCTTACCTGCAAGCCCC | 1380 |
| Db | 3346 | CCCAACAGTACCCCTGCGCCTCTTGAACTGTATGGCTACCTTGGCCCCCTTACCTGCAAGCCCC | 3405 |
| Qy | 1381 | CAGCCTGTAAATGTGGAACACAGACAGATGTTGGGCCCCCAAGCCCTTGGCCCCGAGAGGGCC | 1440 |
| Db | 3406 | CAGCCTGTAAATGTGGAACACAGACAGATGTTGGGCCCCCAAGCCCTTGGCCCCGAGAGGGCC | 3465 |
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| Db | 3586 | TACTTTGACACCCCAAGGAGAGAGCTGCCCTGAGGCCCAACCTCCCTCGCTTCAGGCCA | 3645 |
| Qy | 1621 | GCTTTGCAACACTTATTTACTGTGGACCAAGAACCAACAGAGCGGGGGCTTCCACCAGC | 1680 |
| Db | 3646 | GCTTTGCAACACTTATTTACTGTGGACCAAGAACCAACAGAGCGGGGGCTTCCACCAGC | 3705 |
| Qy | 1681 | ACCTTCAAGGAGCACTTACGGCAGAGAACCAAGATCTGGGGTCTGGAAGTGTCCAGTGT | 1740 |

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Db      3706 ACCTTCAAAGGAGCACCTTAACGGACAGAGAACCAGAGTACTGGGTCTTGACAGTGCCAGTG 3765

RESULT 2
US-08-356-786-1
; Sequence 1, Application US/08356786
; Patent No. 5877305
GENERAL INFORMATION:
APPLICANT: Huston, James S.
APPLICANT: Oppermann, Hermann
APPLICANT: Houston, L. L.
APPLICANT: Ring, David B.
TITLE OF INVENTION: Biosynthetic Binding Protein for Cancer
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Edmund R. Pitcher, Teesta, Hurwitz, & Thibault
STREET: Exchange Place, 53 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/356,786
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/831,967
FILING DATE: 06-FEB-1992
ATTORNEY/AGENT INFORMATION:
NAME: Pitcher, Edmund R.
REGISTRATION NUMBER: 27,829
REFERENCE/DOCKET NUMBER: CRP-053
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3768 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..3768
OTHER INFORMATION: /note= "product = "cerb-b2""
US-08-356-786-1

Query Match      100.0%; Score 1740; DB 2; Length 3768;
Best Local Similarity 100.0%; Pired. No. 0;
Matches 1740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AAAGGAGCGGACGAGAAAGTCCCGAAGTACACCATGCGGAGACTGCTGCAGAAACGAG 60
Db      2026 AAAGGAGCGGACGAGAAAGTCCCGAAGTACACCATGCGGAGACTGCTGCAGAAACGAG 2085B
QY      61 CTGGTGGAGCGCGCTGACACCTGATGGGAGCGATGCGCCAAACGAGCGCAGATCGGATCCTG 120
Db      2086 CTGGTGGAGCGCGCTGACACCTGATGGGAGCGATGCGCCAAACGAGCGCAGATCGGATCCTG 2145B
QY      121 AAAGAGACGAGAGCTGAGAAAGTGAAGGTGCTTGGACTGCGCGCTTTTGGACAGTCTAC 180
Db      2146 AAAGAGACGAGAGCTGAGAAAGTGAAGGTGCTTGGACTGCGCGCTTTTGGACAGTCTAC 2205B
QY      181 AAGGGCATCTTGATCCCTGATGGGAGAAATGTGAAAATTCCAGTGGCCATCAAGTGTG 240
Db      2206 AAGGGCATCTTGATCCCTGATGGGAGAAATGTGAAAATTCCAGTGGCCATCAAGTGTG 2265B

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QY 1 AAGGACGCGAGCAGAAAGATCCGGAAGTACAGATGCGGAGATCTGTCAGAGAAACGAG 60
 Db 2200 AAGGACGCGAGCAGAAAGATCCGGAAGTACAGATGCGGAGATCTGTCAGAGAAACGAG 2259
 QY 61 CTGTGAGAGCCGCTGACACCTTACGCGAGCATGCCCAACGAGGCGAGATCCGATCTGT 120
 Db 2260 CTGTGAGAGCCGCTGACACCTTACGCGAGCATGCCCAACGAGGCGAGATCCGATCTGT 2319
 QY 121 AAGAGACGAGAGCTGAGAAAGTGAAGGTGCTTGAATCTGGCGCTTTTGGACAGTCTAC 180
 Db 2320 AAGAGACGAGAGCTGAGAAAGTGAAGGTGCTTGAATCTGGCGCTTTTGGACAGTCTAC 2379
 QY 181 AAGGACATCTGATATCCCTGATGGGAGATGTGAAAATTCAGATGGCCATCAAGTGTG 240
 Db 2380 AAGGACATCTGATATCCCTGATGGGAGATGTGAAAATTCAGATGGCCATCAAGTGTG 2439
 QY 241 AAGGAAAAACATCTCCCAAAAGCCACAAAGAAATCTTGAAGCAAGCATACGTATGCT 300
 Db 2440 AAGGAAAAACATCTCCCAAAAGCCACAAAGAAATCTTGAAGCAAGCATACGTATGCT 2499
 QY 301 GGTGTGGGCTCCCATATGTCTCCGCTCTGGGACATCTGCGACATCCAGCGTGTAG 360
 Db 2500 GGTGTGGGCTCCCATATGTCTCCGCTCTGGGACATCTGCGACATCCAGCGTGTAG 2559
 QY 361 CTGTGACACAGCTTATGCTTATGCTGCTCTTGAACATGTCCGGGAAAAACGCGGGA 420
 Db 2560 CTGTGACACAGCTTATGCTTATGCTGCTCTTGAACATGTCCGGGAAAAACGCGGGA 2619
 QY 421 CGCTGTGGCTCCACAGACCTGCTGATGTGTATGACATTTGCCAAGGGAGTATGATAC 480
 Db 2620 CGCTGTGGCTCCACAGACCTGCTGATGTGTATGACATTTGCCAAGGGAGTATGATAC 2679
 QY 481 CTGAGAGATGTGGGCTCTGTACAGAGGACTTGGCCGCTCGGAAAGCTGTCTCAAGGT 540
 Db 2680 CTGAGAGATGTGGGCTCTGTACAGAGGACTTGGCCGCTCGGAAAGCTGTCTCAAGGT 2739
 QY 541 CCCAACCATGTCAAAATTTACAGACTTGGGCTGCTCGCTGTGACATTTGACAGAGCA 600
 Db 2740 CCCAACCATGTCAAAATTTACAGACTTGGGCTGCTCGCTGTGACATTTGACAGAGCA 2799
 QY 601 GAGTACCATGAGATGGGGGAGAGTGGCCATCAAGTGAATGGCGCTGAGTCCATTCTC 660
 Db 2800 GAGTACCATGAGATGGGGGAGAGTGGCCATCAAGTGAATGGCGCTGAGTCCATTCTC 2859
 QY 661 CGCGCGGCTTCAACCCACAGAGTGTGTGAGTTATGGTGTGACTGTGTGGAGCTG 720
 Db 2860 CGCGCGGCTTCAACCCACAGAGTGTGTGAGTTATGGTGTGACTGTGTGGAGCTG 2919
 QY 721 ATGACTTTTGGGGCAAACTTACGATGGATCCAGGCCGAGGAGATCCCTGACTGCTG 780
 Db 2920 ATGACTTTTGGGGCAAACTTACGATGGATCCAGGCCGAGGAGATCCCTGACTGCTG 2979
 QY 781 GAAAAAGGGAGCGGCTGCCCCAGCCCCCATCTGACATCTGATGTGTACATGATCATG 840
 Db 2980 GAAAAAGGGAGCGGCTGCCCCAGCCCCCATCTGACATCTGATGTGTACATGATCATG 3039
 QY 841 GTCAAAATGTGATGATGATGATCTGATGTGTGAGGCAAGATTTCCGGAGTTGTGTCTGAA 900
 Db 3040 GTCAAAATGTGATGATGATGATCTGATGTGTGAGGCAAGATTTCCGGAGTTGTGTCTGAA 3099
 QY 901 TTCTCCGCGATGGCAAGGACCCCGAGGCTTTTGGGTGATCCAGATGAGAGACTTGGGC 960
 Db 3100 TTCTCCGCGATGGCAAGGACCCCGAGGCTTTTGGGTGATCCAGATGAGAGACTTGGGC 3159
 QY 961 CCAGCCAGTCTCTTGAACAGCACTTCTACCGCTCATCTGTGAGAGCATGATGAGG 1020
 Db 3160 CCAGCCAGTCTCTTGAACAGCACTTCTACCGCTCATCTGTGAGAGCATGATGAGG 3219
 QY 1021 GACCTGTGTGATGTGTGAGAGTATGTGTATCCCGACAGGGCTTTCTGTGTCCAGACCT 1080
 Db 3220 GACCTGTGTGATGTGTGAGAGTATGTGTATCCCGACAGGGCTTTCTGTGTCCAGACCT 3279

QY 1081 GCCCCGGGCGCTGGGGGAGATGTCTCACACAGGACCGGACGCTATCTTACAGAGTGGC 1140
 Db 3280 GCCCCGGGCGCTGGGGGAGATGTCTCACACAGGACCGGACGCTATCTTACAGAGTGGC 3339
 QY 1141 GGTGGGAGCTGACATCTAGAGGCTGTGAGCCCTCTGAAGAGAGGAGGCCAGGCTTCCACTG 1200
 Db 3340 GGTGGGAGCTGACATCTAGAGGCTGTGAGCCCTCTGAAGAGAGGAGGCCAGGCTTCCACTG 3399
 QY 1201 GCACCTCTCCGAAAGGGGCTGGCTCCGATGTATTTGATGTGTGACTGTGGAATGGGGGCAAGC 1260
 Db 3400 GCACCTCTCCGAAAGGGGCTGGCTCCGATGTATTTGATGTGTGACTGTGGAATGGGGGCAAGC 3459
 QY 1261 AAGGGGCTGCAAAAGCTTCCCAACATGATCCCAAGCCCTCTTACAGCGGTACATGAGGAC 1320
 Db 3460 AAGGGGCTGCAAAAGCTTCCCAACATGATCCCAAGCCCTCTTACAGCGGTACATGAGGAC 3519
 QY 1321 CCCACATGATCCCTGCTGCTGAGATGATGATGATGATGATGATGATGATGATGATGATGATG 1380
 Db 3520 CCCACATGATCCCTGCTGCTGAGATGATGATGATGATGATGATGATGATGATGATGATGATG 3579
 QY 1381 CAGCCTGAATGTGAAACAGCCAGATGTTCCAGCCAGCCCTTCCGCTGAGAGAGG 1440
 Db 3580 CAGCCTGAATGTGAAACAGCCAGATGTTCCAGCCAGCCCTTCCGCTGAGAGAGG 3639
 QY 1441 CTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1500
 Db 3640 CTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3699
 QY 1501 GGGAAAGATGGGGTGTCTCAAAAGAGCTTTTGGCTTTGGGGGTGCTGAGAAACCCGAG 1560
 Db 3700 GGGAAAGATGGGGTGTCTCAAAAGAGCTTTTGGCTTTGGGGGTGCTGAGAAACCCGAG 3759
 QY 1561 TACTTGAACCCCGAGGAGAGCTGCCCTCAGCCCAACCTCTCTGCTGCTGAGCCCA 1620
 Db 3760 TACTTGAACCCCGAGGAGAGCTGCCCTCAGCCCAACCTCTCTGCTGCTGAGCCCA 3819
 QY 1621 GCCTTGAACCTCTTATTTACTGTGAGACCAAGACCCCAAGAGCGGGGGCTTCCACCCAGC 1680
 Db 3820 GCCTTGAACCTCTTATTTACTGTGAGACCAAGACCCCAAGAGCGGGGGCTTCCACCCAGC 3879
 QY 1681 ACCTTCAAAAGGAGACCTTACGCGAGAGAACCCCAAGATCTGTGGTGTGAGATGCCAGTG 1740
 Db 3880 ACCTTCAAAAGGAGACCTTACGCGAGAGAACCCCAAGATCTGTGGTGTGAGATGCCAGTG 3939

RESULT 4
 US-09-056-105-26
 ; Sequence 26, Application US/09056105
 ; Patent No. 6287569
 ; GENERAL INFORMATION:
 ; APPLICANT: KIPPS, THOMAS J.
 ; APPLICANT: MU, YUNOJ
 ; TITLE OF INVENTION: VACCINES WITH ENHANCED INTRACELLULAR
 ; FILE REFERENCE: 233/221
 ; CURRENT APPLICATION NUMBER: US/09/056, 105
 ; EARLIER FILING DATE: 1998-04-06
 ; EARLIER FILING DATE: 1997-04-10
 ; NUMBER OF SEQ ID NOS: 35
 ; SOFTWARE: FASTSEQ for Windows Version 3.0
 ; SEQ ID NO 26
 ; LENGTH: 4473
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-056-105-26

Query Match 100.0%; Score 1740; DB 3; Length 4473;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAGGACGCGAGCAGAAAGATCCGGAAGTACAGATGCGGAGATCTGTCAGAGAAACGAG 60

Db 2200 AAGGAGCGGAGGAGGAGATCCGGAAGTACAGATGCGGAGACTGCTGAGGAAACGGAG 2259
QY 61 CTGTGGAGCGCGCTGACACCTTACGGGAGCGATGCGCAACCGAGCGCAGATGCGATCTG 120
Db 2260 CTGTGGAGCGCGCTGACACCTTACGGGAGCGATGCGCAACCGAGCGCAGATGCGATCTG 2319
QY 121 AAGAGACGAGAGCTGAGGAAAGTGAAGTGTCTTGGATCTGGCGCTTTTGGACAGTCTAC 180
Db 2320 AAGAGACGAGAGCTGAGGAAAGTGAAGTGTCTTGGATCTGGCGCTTTTGGACAGTCTAC 2379
QY 181 AAGGAGCTGTGATCCCTGATGAGGAAATGTGAAAATTCAGATGCGCCATCAAGTGTG 240
Db 2380 AAGGAGCTGTGATCCCTGATGAGGAAATGTGAAAATTCAGATGCGCCATCAAGTGTG 2439
QY 241 AAGGAAAAACATCTCCCAAGCCACAAAGAAATCTTGAACGAAGCATAGTATGCT 300
Db 2440 AAGGAAAAACATCTCCCAAGCCACAAAGAAATCTTGAACGAAGCATAGTATGCT 2499
QY 301 GGTGTGGGCTCCCATATGTCCTCCGCTTCTGGGCACTTGGCTGACATCCAGGTGAC 360
Db 2500 GGTGTGGGCTCCCATATGTCCTCCGCTTCTGGGCACTTGGCTGACATCCAGGTGAC 2559
QY 361 CTGTGACACAGCTTATGCTTATGCTGCTCTTGAACCATGTCGGGAAAAACGGGAG 420
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QY 541 CCCAACCATGTCAAAATTTACAGACTTGGGCTGGCTGGCTGAGCATTTGAGAGACA 600
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Db 2800 GAGTACCATGACAGATGGGGGCAAGGTGCCATCAAGTGAATGGCTGAGTCCATCTC 2859
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QY 781 GAAAAAGGGAGCGGCTGCCCAAGCCCGCATCTGACCATTTGATGTCTACATGATCATG 840
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QY 841 GTCAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900
Db 3040 GTCAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3099
QY 901 TTCTCCCGCATGAGCAGGAGCCCGCAGCGCTTGTGTGATTCAGAAATGAGAGCTTGGG 960
Db 3100 TTCTCCCGCATGAGCAGGAGCCCGCAGCGCTTGTGTGATTCAGAAATGAGAGCTTGGG 3159
QY 961 CCAAGCAGTCCCTTGAACAGACCTTCTACCGCTCACTGTGAGAGAGATGACATGGAG 1020
Db 3160 CCAAGCAGTCCCTTGAACAGACCTTCTACCGCTCACTGTGAGAGAGATGACATGGAG 3219
QY 1021 GACTGTGTGATGCTGAGAGATGCTGTGATGCTGTGATGCTGTGATGCTGTGATGCTGT 1080
Db 3220 GACTGTGTGATGCTGAGAGATGCTGTGATGCTGTGATGCTGTGATGCTGTGATGCTGT 3279
QY 1081 GCGCGGAGCGCTGAGGAGCATGATGATGATGATGATGATGATGATGATGATGATGATG 1140
Db 3280 GCGCGGAGCGCTGAGGAGCATGATGATGATGATGATGATGATGATGATGATGATGATG 3339

QY 1141 GGTGGGAGCTTGACACTAGGGCTGAGACCTCTTGAAAGGAGGCGCCAGGTCTCACTG 1200
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QY 1201 GCAACCTCCGAGAGGGCTGGCTCCAGATGATTTTGAATGATGATGATGATGATGATGATG 1260
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QY 1261 AAGGGGCTGCAAGACCTCCCAACATGACCCAGCCCTCTTACAGCGGTACAGTGAAGAC 1320
Db 3460 AAGGGGCTGCAAGACCTCCCAACATGACCCAGCCCTCTTACAGCGGTACAGTGAAGAC 3519
QY 1321 CCACAGTACCTCTGCTGCTGAGTATGCTGATGCTGATGCTGATGCTGATGCTGATGCTG 1380
Db 3520 CCACAGTACCTCTGCTGCTGAGTATGCTGATGCTGATGCTGATGCTGATGCTGATGCTG 3579
QY 1381 CAGCTGAAATATGTAACCAAGCCAGATGTTCCGAGCCCAAGCCCTTCCGAGAGAGG 1440
Db 3580 CAGCTGAAATATGTAACCAAGCCAGATGTTCCGAGCCCAAGCCCTTCCGAGAGAGG 3639
QY 1441 CCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1500
Db 3640 CCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3699
QY 1501 GGGAGAAATGGGCTGCTCAAGACGTTTTTGCCTTTGGGGGTGCGTGAAGAACCCCGAG 1560
Db 3700 GGGAGAAATGGGCTGCTCAAGACGTTTTTGCCTTTGGGGGTGCGTGAAGAACCCCGAG 3759
QY 1561 TACTTGACACCCAGAGAGAGAGTGCCTCCAGACCCCACTCTCTCTCTCTCTCTCTCTCT 1620
Db 3760 TACTTGACACCCAGAGAGAGAGTGCCTCCAGACCCCACTCTCTCTCTCTCTCTCTCTCT 3819
QY 1621 GCCTTGACACACTCTATTACTGGAACAGAACCCACAGAGGGGGGCTCCACCGAGC 1680
Db 3820 GCCTTGACACACTCTATTACTGGAACAGAACCCACAGAGGGGGGCTCCACCGAGC 3879
QY 1681 ACCTTCAAGAGGACACTTACGAGAGAACCCAGAGTACTGTGGTCTGACGTCAGTGT 1740
Db 3880 ACCTTCAAGAGGACACTTACGAGAGAACCCAGAGTACTGTGGTCTGACGTCAGTGT 3939

RESULT 5
US-09-663-834A-3
; Sequence 3, Application US/09663834A
; Patent No. 6613567
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowert
; TITLE OF INVENTION: ANTISENSE MODULATION OF HER-2 EXPRESSION
; FILE REFERENCE: RTS-0033
; CURRENT APPLICATION NUMBER: US/09/663, 834A
; CURRENT FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 48
; SEQ ID NO 3
; LENGTH: 4473
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (175)...(3942)
US-09-663-834A-3

Query Match 100.0%; Score 1740; DB 4; Length 4473;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAGCAGCGCAGCAGAGAGATCCGAGAGTACAGCATGCGAGACTGCTGAGAGAAACGGAG 60
Db 2200 AAGCAGCGCAGCAGAGAGATCCGAGAGTACAGCATGCGAGACTGCTGAGAGAAACGGAG 2259
QY 61 CTGTGGAGCGCGCTGACACCTTACGGGAGCGATGCGCAACCGAGCGCAGATGCGATCTG 120

Db 2260 CTGTGGAGCCGCTGACACTAGCGAGGATGCCAACCAGGCCGAGATCGGATCCTG 2319
Qy 121 AAAGAGCGAGCTGAGAGAGGTGAAGGTGCTTGATCTGGCGCTTTTGGCACTCTAC 180
Db 2230 AAAGAGCGAGCTGAGAGAGGTGAAGGTGCTTGATCTGGCGCTTTTGGCACTCTAC 2379
Qy 181 AAGGCGATCTGGATCTCTGATGGGAGAAATGTAAATTCAGTGGCCATCAAGTGTG 240
Db 2280 AAGGCGATCTGGATCTCTGATGGGAGAAATGTAAATTCAGTGGCCATCAAGTGTG 2439
Qy 241 AAGGAAACACATCCCCCAAGCCCAAAAGAAATCTTAGAGAGCATACTGATGCT 300
Db 2440 AAGGAAACACATCCCCCAAGCCCAAAAGAAATCTTAGAGAGCATACTGATGCT 2499
Qy 301 GGTGTGGGCTCCCATATGTCTCCGCTTCTGGGCATCTGCTGACATCCAGGTGAC 360
Db 2500 GGTGTGGGCTCCCATATGTCTCCGCTTCTGGGCATCTGCTGACATCCAGGTGAC 2559
Qy 361 CTGTGACACAGCTTATGCTGCTGATGCTGCTCTTAGACCATGTCGGGAAACCGCGGA 420
Db 2560 CTGTGACACAGCTTATGCTGCTGATGCTGCTCTTAGACCATGTCGGGAAACCGCGGA 2619
Qy 421 GCGCTGGGCTCCAGGACCTGCTGAACTGTGTATGACATTTGCCAAGGGATGAGCTAC 480
Db 2620 GCGCTGGGCTCCAGGACCTGCTGAACTGTGTATGACATTTGCCAAGGGATGAGCTAC 2679
Qy 481 CTGAGAGATGTGGGCTGTAACAAGGACTTGGCGCTCGGAACTGTGCTGTAAGAGT 540
Db 2680 CTGAGAGATGTGGGCTGTAACAAGGACTTGGCGCTCGGAACTGTGCTGTAAGAGT 2739
Qy 541 CCCAACATGTCAAAATTAACAAGCTTGGGCTGGCTGCTGGAACAATTGACAGACA 600
Db 2740 CCCAACATGTCAAAATTAACAAGCTTGGGCTGGCTGCTGGAACAATTGACAGACA 2799
Qy 601 GAGTACCATGACAGATGGGGGCAAGGTCCCATCAAGTGAATGGCTGAGATCAATTC 660
Db 2800 GAGTACCATGACAGATGGGGGCAAGGTCCCATCAAGTGAATGGCTGAGATCAATTC 2859
Qy 661 GCGCGGCGGTTCAACCACAGAGTATGTGTGAATTTAGTGTGACTGTGTGGAGCTG 720
Db 2860 GCGCGGCGGTTCAACCACAGAGTATGTGTGAATTTAGTGTGACTGTGTGGAGCTG 2919
Qy 721 ATGACTTTTGGGGCCAAACCTTACAGATGGATCCAGCCGGAGATCCCTGACCTGCTG 780
Db 2920 ATGACTTTTGGGGCCAAACCTTACAGATGGATCCAGCCGGAGATCCCTGACCTGCTG 2979
Qy 781 GAAAAAGGGGAGCGGCTGCCAGCCCCCATCTGACCATTTGATGTCTACATGATCATG 840
Db 2980 GAAAAAGGGGAGCGGCTGCCAGCCCCCATCTGACCATTTGATGTCTACATGATCATG 3039
Qy 841 GTCAAAATGTGGATGATGATCTGATGTGGGCAAGTTCCGGGAGTGTGCTGAA 900
Db 3040 GTCAAAATGTGGATGATGATCTGATGTGGGCAAGTTCCGGGAGTGTGCTGAA 3099
Qy 901 TTCTCCGCGATGCGCAGGAGCCCCAGCGCTTTGTGTATCCAGATGAGGACTTGGGC 960
Db 3100 TTCTCCGCGATGCGCAGGAGCCCCAGCGCTTTGTGTATCCAGATGAGGACTTGGGC 3159
Qy 961 CCAGCCAGTCCCTTGGACAGCACTTCTACCGCTCACTGTGAGAGAGATGACATGGGG 1020
Db 3160 CCAGCCAGTCCCTTGGACAGCACTTCTACCGCTCACTGTGAGAGAGATGACATGGGG 3219
Qy 1021 GACCTGTGTGATGCTGAGAGATCTGATACCCGACAGGGGTTTCTTGTGTCAAACTT 1080
Db 3220 GACCTGTGTGATGCTGAGAGATCTGATACCCGACAGGGGTTTCTTGTGTCAAACTT 3279
Qy 1081 GCGCCGCGGCTGTGGGGGATGTCTCAACAAGGACCGGACTCTTCAACAAGAGTGGC 1140
Db 3280 GCGCCGCGGCTGTGGGGGATGTCTCAACAAGGACCGGACTCTTCAACAAGAGTGGC 3339
Qy 1141 GGTGGGAGCTGACACTAGGGCTGAGCCCTCTTGAAGAGAGGCCCCAGGCTTCCACTG 1200
Db 3340 GGTGGGAGCTGACACTAGGGCTGAGCCCTCTTGAAGAGAGGCCCCAGGCTTCCACTG 3399

Qy 1201 GCACCTCCGAAGGGGCTGGCTCCGATGATTTGATGTGACCTGGGAATGGGGCAGGC 1260
Db 3400 GCACCTCCGAAGGGGCTGGCTCCGATGATTTGATGTGACCTGGGAATGGGGCAGGC 3459
Qy 1261 AAGGGGCTGCAAAAGCTCTCCCAACATGACCCAGCCCTCTTACAGCGGTACGTAGAC 1320
Db 3460 AAGGGGCTGCAAAAGCTCTCCCAACATGACCCAGCCCTCTTACAGCGGTACGTAGAC 3519
Qy 1321 CCAACAGTACCCCTGCTGAGCTGATGGCTAGTGTGCCCCCTGACCTGACGAGCCC 1380
Db 3520 CCAACAGTACCCCTGCTGAGCTGATGGCTAGTGTGCCCCCTGACCTGACGAGCCC 3579
Qy 1381 CAGCCTGAATATGTGAACAGCAGATGTTGGCCCCCAGCCCTTGTGCCCCGAGAAGGC 1440
Db 3580 CAGCCTGAATATGTGAACAGCAGATGTTGGCCCCCAGCCCTTGTGCCCCGAGAAGGC 3639
Qy 1441 CCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1500
Db 3640 CCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3699
Qy 1501 GGGAGAAATGGGGTGTCAAAAGAGTCTTGTGCTTGGGGGTGCGGTGAGAAACCCGAG 1560
Db 3700 GGGAGAAATGGGGTGTCAAAAGAGTCTTGTGCTTGGGGGTGCGGTGAGAAACCCGAG 3759
Qy 1561 TACTTGACACCCAGGAGGAGCTGCTCCCTGAGCCCACTCTGCTGCTTACAGCCCA 1620
Db 3760 TACTTGACACCCAGGAGGAGCTGCTCCCTGAGCCCACTCTGCTGCTTACAGCCCA 3819
Qy 1621 GCTTTCGACAACTCTATTACTGGGACCAAGACCCACAGAGCGGGGGCTTACCCAGC 1680
Db 3820 GCTTTCGACAACTCTATTACTGGGACCAAGACCCACAGAGCGGGGGCTTACCCAGC 3879
Qy 1681 ACCTTCAAGGAGACCTTACCGGAGAGAACCCAGATGACTGGGCTGGAAGTGCAGTG 1740
Db 3880 ACCTTCAAGGAGACCTTACCGGAGAGAACCCAGATGACTGGGCTGGAAGTGCAGTG 3939

RESULT 6
US-09-441-411-5
; Sequence 5, Application US/09441411
; Patent No. 6734172
; GENERAL INFORMATION:
; APPLICANT: Scholler, Nathalie B.
; APPLICANT: Disis, Mary L.
; APPLICANT: Hellstrom, Inggerd
; TITLE OF INVENTION: SURFACE RECEPTOR ANTIGEN VACCINES
; FILE REFERENCE: 730033.409
; CURRENT FILING DATE: 1999-11-16
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 4473
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-441-411-5

Query Match 100.0%; Score 1740; DB 4; Length 4473;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AAGCGACGGCAGCAGAAATCCGGAAGTACAGATGCCGAGACTGCTCAAGAAACGAG 60
Db 2200 AAGCGACGGCAGCAGAAATCCGGAAGTACAGATGCCGAGACTGCTCAAGAAACGAG 2259
Qy 61 CTGTGTAGCGGCTGACACTAGCGAGAGTCCCAACAGAGCGCAGATGGAGTCTG 120
Db 2260 CTGTGTAGCGGCTGACACTAGCGAGAGTCCCAACAGAGCGCAGATGGAGTCTG 2319
Qy 121 AAAGAGCGAGCTGAGAGAGGTGAAGGTGCTTGATCTGGCGCTTTTGGCACTCTAC 180

Db 2320 AAAAGAGCGAGCTGAGGAAGGTGAAGTGTGATGCTGGCGCTTTTGGCAGAGCTTAC 2379
 Qy 181 AAGGCGATCTGGATCCCTGATGAGGAGATGTGAAAAATTCAGTGGCCATCAAAAGTTTG 240
 Db 2380 AAGGCGATCTGGATCCCTGATGAGGAGATGTGAAAAATTCAGTGGCCATCAAAAGTTTG 2439
 Qy 241 AAGGAAAAATATCCCCCAAGCCAAAGAAATCTTGAAGCAAGCACTAAGTATGGCT 300
 Db 2440 AAGGAAAAATATCCCCCAAGCCAAAGAAATCTTGAAGCAAGCACTAAGTATGGCT 2499
 Qy 301 GGTGTGGGCTCCCATATGTCTCCGCTTCTGGGATCTGCTGACATCTCCAGCGGTAG 360
 Db 2500 GGTGTGGGCTCCCATATGTCTCCGCTTCTGGGATCTGCTGACATCTCCAGCGGTAG 2559
 Qy 361 CTGTGACACAGCTTATGCTTATGCTGCTTTTGAACATGTCGCGAAAAACCGGGA 420
 Db 2560 CTGTGACACAGCTTATGCTTATGCTGCTTTTGAACATGTCGCGAAAAACCGGGA 2619
 Qy 421 CGCTGTGGCTCCAGGAGCTGCTGATGCTGATGCAAGTTGCCAAGGGATGAGCTAC 480
 Db 2620 CGCTGTGGCTCCAGGAGCTGCTGATGCTGATGCAAGTTGCCAAGGGATGAGCTAC 2679
 Qy 481 CTGAGAGATGTCGGGCTGTACACAGGAGCTTGGCGCTCGGAAAGTGTGCTGCTCAAGT 540
 Db 2680 CTGAGAGATGTCGGGCTGTACACAGGAGCTTGGCGCTCGGAAAGTGTGCTGCTCAAGT 2739
 Qy 541 CCCAACCATGTCAAAATTTACAGACTTCGGGCTGGCTCGGCTGCTGACATTTGACAGCA 600
 Db 2740 CCCAACCATGTCAAAATTTACAGACTTCGGGCTGGCTCGGCTGCTGACATTTGACAGCA 2799
 Qy 601 GAGTACCATGAGATGGGGGGGCAAGTGTCCCATCAAGTGGATGGGCTGGATTCATTTTC 660
 Db 2800 GAGTACCATGAGATGGGGGGGCAAGTGTCCCATCAAGTGGATGGGCTGGATTCATTTTC 2859
 Qy 661 CGCGGCGGCTTACCCACAGAGTGTGTGAGTTATGGTGTGACTGTGTGGGAGCTG 720
 Db 2860 CGCGGCGGCTTACCCACAGAGTGTGTGAGTTATGGTGTGACTGTGTGGGAGCTG 2919
 Qy 721 ATGACTTTTGGGGCCAAACCTTACGATGGATCCAGCCCGGAGATCCCTGACCTGTG 780
 Db 2920 ATGACTTTTGGGGCCAAACCTTACGATGGATCCAGCCCGGAGATCCCTGACCTGTG 2979
 Qy 781 GAAAAAGGGGAGCGGCTGCCAGCCCCCATCTGCAACATTTGATGTCTACATGATCATG 840
 Db 2980 GAAAAAGGGGAGCGGCTGCCAGCCCCCATCTGCAACATTTGATGTCTACATGATCATG 3039
 Qy 841 GTCAATGTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900
 Db 3040 GTCAATGTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3099
 Qy 901 TTCTCCGCGATGCGCAGGAGCCCGAGCGCTTGTGTATCTCAATGAGAGACTTTGGGC 960
 Db 3100 TTCTCCGCGATGCGCAGGAGCCCGAGCGCTTGTGTATCTCAATGAGAGACTTTGGGC 3159
 Qy 961 CCAAGCAGTCCCTTGGAGACACCTTTCAACGCTCACTGCTGGAGAGAGATGACATGGGG 1020
 Db 3160 CCAAGCAGTCCCTTGGAGACACCTTTCAACGCTCACTGCTGGAGAGAGATGACATGGGG 3219
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 Db 3220 GACCTGTGATGCTGAGAGATCTGATGATGATGATGATGATGATGATGATGATGATGATG 3279
 Qy 1081 GCCCGGCGCTGGGGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1140
 Db 3280 GCCCGGCGCTGGGGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3339
 Qy 1141 GGTGGGAGCTGACATGAGGCTGAGGCTTCTGTAAGAGAGAGGCCCCCAAGTCTTCACTG 1200
 Db 3340 GGTGGGAGCTGACATGAGGCTGAGGCTTCTGTAAGAGAGAGGCCCCCAAGTCTTCACTG 3399
 Qy 1201 GCACCTTCGAAAGGGGCTGCTCGAGTATTTGATGATGATGATGATGATGATGATGATGATG 1260
 Db 3400 GCACCTTCGAAAGGGGCTGCTCGAGTATTTGATGATGATGATGATGATGATGATGATGATG 3459

Qy 1261 AAGGGGCTGCAAAAGCTTCCCAACATGATCCCAAGCCCTCTACAGCGGTACATGAGGAC 1320
 Db 3460 AAGGGGCTGCAAAAGCTTCCCAACATGATCCCAAGCCCTCTACAGCGGTACATGAGGAC 3519
 Qy 1321 CCACAGATCCCGCCCTCTGAGACTGATGGTACAGTGTGCGCCCTGACCTGACAGCC 1380
 Db 3520 CCACAGATCCCGCCCTCTGAGACTGATGGTACAGTGTGCGCCCTGACCTGACAGCC 3579
 Qy 1381 CAGCCTGATATGTGAACCAAGCAGATGTTGGGCCAGCCCTTGTGCGCCGAGAGG 1440
 Db 3580 CAGCCTGATATGTGAACCAAGCAGATGTTGGGCCAGCCCTTGTGCGCCGAGAGG 3639
 Qy 1441 CCTTGGCTGTGCGCCGACCTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1500
 Db 3640 CCTTGGCTGTGCGCCGACCTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3699
 Qy 1501 GGGAGAAATGGGGGCTCAAAAGAGTCTTTTGGGCTGCTGCTGCTGCTGCTGCTGCTG 1560
 Db 3700 GGGAGAAATGGGGGCTCAAAAGAGTCTTTTGGGCTGCTGCTGCTGCTGCTGCTGCTG 3759
 Qy 1561 TACTTGAACCCCAAGGAGAGCTGCCCTCAGCCCACTCTCTGCTGCTGCTGCTGCTG 1620
 Db 3760 TACTTGAACCCCAAGGAGAGCTGCCCTCAGCCCACTCTCTGCTGCTGCTGCTGCTG 3819
 Qy 1621 GCTTTCGACAACTCTTATTAATGAGACAGGACCCCAAGGAGGAGGCTTCCACCCAG 1680
 Db 3820 GCTTTCGACAACTCTTATTAATGAGACAGGACCCCAAGGAGGAGGCTTCCACCCAG 3879
 Qy 1681 ACCTTCAAGGGAGACCTTACAGGAGAGACCCAGAGTACCTGGGCTGCTGCTGCTGCTG 1740
 Db 3880 ACCTTCAAGGGAGACCTTACAGGAGAGACCCAGAGTACCTGGGCTGCTGCTGCTGCTG 3939
 RESULT 7
 US-09-811-115-2
 ; Sequence 2, Application US/09811115
 ; Patent No. 6632979
 ; GENERAL INFORMATION:
 ; APPLICANT: Erickson, Sharon
 ; APPLICANT: Schwall, Ralph
 ; APPLICANT: King, Kathleen
 ; TITLE OF INVENTION: HER-2 TRANSGENIC NON-HUMAN TUMOR MODEL
 ; FILE REFERENCE: GENENT.034A
 ; CURRENT APPLICATION NUMBER: US/09/811.115
 ; PRIOR FILING DATE: 2001-03-16
 ; PRIOR APPLICATION NUMBER: 60/189,844
 ; NUMBER OF SEQ ID NOS: 4
 ; SOFTWARE: FastSeq For Windows Version 4.0
 ; SEQ ID NO 2
 ; LENGTH: 3768
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-811-115-2
 Query Match 99.9%; Score 1738.4; DB 4; Length 3768;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 AAGGAGCGGCGAGGAGATCCGAGTACACATGCGGAGACTGCTGACAGAAACGAG 60
 Db 2026 AAGGAGCGGCGAGGAGATCCGAGTACACATGCGGAGACTGCTGACAGAAACGAG 2085
 Qy 61 CTGTGAGAGCGGCTGACACCTTATGAGGAGCGATGTGCCAACAGGCGAGATCGGATCCTG 120
 Db 2086 CTGTGAGAGCGGCTGACACCTTATGAGGAGCGATGTGCCAACAGGCGAGATCGGATCCTG 2145
 Qy 121 AAAAGAGCGAGCTGAGGAGAGTGAAGTGTGCTTGTGATCTGCGCTTTTGGCAGAGTCTAC 180
 Db 2146 AAAAGAGCGAGCTGAGGAGAGTGAAGTGTGCTTGTGATCTGCGCTTTTGGCAGAGTCTAC 2205
 Qy 181 AAGGCGATCTGGATCCCTGATGAGGAGAGATGTGAAAAATTCAGTGGCCATCAAAAGTTTG 240

| | | | |
|----|------|--|------|
| Db | 2206 | AAGGGCACTTGGATCCCTGATGGGGAGAAATGTGAAAATTCAGATGGCCATCAAAATGTTG | 2265 |
| Oy | 241 | AGGGAAAACACATCCCCAAAGCCAAAGAAAATCTTAGACGAAGCATACGTATGGCT | 300 |
| Db | 2266 | AGGGAAAACATCCCCAAAGCCAAAGAAAATCTTAGACGAAGCATACGTATGGCT | 2325 |
| Oy | 301 | GGTGTGGGCTCCCCATATGTCTCCCGCTTCTGGGCAATCTGCTGACATCCAGGTGACG | 360 |
| Db | 2326 | GGTGTGGGCTCCCCATATGTCTCCCGCTTCTGGGCAATCTGCTGACATCCAGGTGACG | 2385 |
| Oy | 361 | CTGGTGACACAGCTTATATGCCCTATATGGCTCTTAGACCAATGTCCGGGAAAAACCGCGGA | 420 |
| Db | 2386 | CTGGTGACACAGCTTATATGCCCTATATGGCTCTCTTAGACCAATGTCCGGGAAAAACCGCGGA | 2445 |
| Oy | 421 | CGCTTGGGCTCCCAAGACCTGTGAACTGTGTATGACAAATTTGCCAAGGGATGAGCTTAC | 480 |
| Db | 2446 | CGCTTGGGCTCCCAAGACCTGTGAACTGTGTATGACAAATTTGCCAAGGGATGAGCTTAC | 2505 |
| Oy | 481 | CTGAGAGATGTGCGGCTGTATACACAGGGACTTGGCCCTCGGAACGTCTGTCAAGAT | 540 |
| Db | 2506 | CTGAGAGATGTGCGGCTGTATACACAGGGACTTGGCCCTCGGAAGTGTCTGTCAAGAT | 2565 |
| Oy | 541 | CCCAACCATGTCAAAAATTACAGACTTGGGGCTGGCTCGGCTGTGGAACATTTGACGAGCA | 600 |
| Db | 2566 | CCCAACCATGTCAAAAATTACAGACTTGGGGCTGGCTCGGCTGTGGAACATTTGACGAGCA | 2625 |
| Oy | 601 | GAGTACCATGACAGATGGGGGGCAAGGTGCCATCAAGTGAATGCGCTGGAATCCATTCTC | 660 |
| Db | 2626 | GAGTACCATGACAGATGGGGGGCAAGGTGCCATCAAGTGAATGCGCTGGAATCCATTCTC | 2685 |
| Oy | 661 | CGCGGCGGTTCAACCACACAGATGTGTGGAAGTTATGTGTGATCTGTGTGGAGCTG | 720 |
| Db | 2686 | CGCGGCGGTTCAACCACACAGATGTGTGGAAGTTATGTGTGATCTGTGTGGAGCTG | 2745 |
| Oy | 721 | ATGACTTTTGGGGCCAAAACCTTACGATGGGAATCCAGGCCGGGAGATCCCTGACCTGCTG | 780 |
| Db | 2746 | ATGACTTTTGGGGCCAAAACCTTACGATGGGAATCCAGGCCGGGAGATCCCTGACCTGCTG | 2805 |
| Oy | 781 | GAAAAAGGGAGCGGCTGCCAGCCCCCACCCTCTGACACATTTGATGTCTACATGATCATG | 840 |
| Db | 2806 | GAAAAAGGGAGCGGCTGCCAGCCCCCACCCTCTGACACATTTGATGTCTACATGATCATG | 2865 |
| Oy | 841 | GTCAAATGTGATGATTTGACTCTTGATATGTGCGGCCAAGATTTCCGGAGTTGGTGTCTGAA | 900 |
| Db | 2866 | GTCAAATGTGATGATTTGACTCTTGATATGTGCGGCCAAGATTTCCGGAGTTGGTGTCTGAA | 2925 |
| Oy | 901 | TTCTCCCGCATGCGCAGGGAACCCCGAGGCTTTGTGTATTCACGAATGAGAGACTTGGGC | 960 |
| Db | 2926 | TTCTCCCGCATGCGCAGGGAACCCCGAGGCTTTGTGTATTCACGAATGAGAGACTTGGGC | 2985 |
| Oy | 961 | CCAGCAGATCCCTTTGAGACGACTTTCACGCTCATCTGCTGAGAGACATATACATGAGG | 1020 |
| Db | 2986 | CCAGCAGATCCCTTTGAGACGACTTTCACGCTCATCTGCTGAGAGACATATATGAGG | 3045 |
| Oy | 1021 | GACCTGTGTGATGCTGAGAGAGTATCTGTATCCCGACAGGGCTTCTTGTCTCAGACCTT | 1080 |
| Db | 3046 | GACCTGTGTGATGCTGAGAGAGTATCTGTATCCCGACAGGGCTTCTTGTCTCAGACCTT | 3105 |
| Oy | 1081 | GCCCCGGGCGCTGGGGGATGATCCACACACAGGACCCCACTCATCTACACAGAGTGGC | 1140 |
| Db | 3106 | GCCCCGGGCGCTGGGGGATGATCCACACACAGGACCCCACTCATCTACACAGAGTGGC | 3165 |
| Oy | 1141 | GGTGGGAGACTGACACTAGAGGCTGAGCCCTCTGAAGAGAGAGGCCCCAGGCTTCTCATCTG | 1200 |
| Db | 3166 | GGTGGGAGACTGACACTAGAGGCTGAGCCCTCTGAAGAGAGAGGCCCCAGGCTTCTCATCTG | 3225 |
| Oy | 1201 | GCACCTCTCGAAGGGGCTGGCTCCGATGTATTTGATGTGATCTTGGGAATGGGGGACCC | 1266 |
| Db | 3226 | GCACCTCTCGAAGGGGCTGGCTCCGATGTATTTGATGTGATCTTGGGAATGGGGGACCC | 3285 |
| Oy | 1261 | AAGGGGCTGCAAAAGCTTCCCAACATGACCCCAAGCTCTTACAGCGGTACATGAGAAC | 1320 |

| | | | |
|---|-------|---|--------------------|
| Db | 3286 | AAAGGGGCTGCAAAAGAGCTCCCAACACATGACCACCCCTCTACAGGGGTACAGTGAAGAGAC | 3345 |
| Qy | 1321 | CCCAACAGTACCCCTGCGCCTCTGAGACTGATGGCTACGTTGGCCCCCTGACCTGCAGCCCC | 1380 |
| Db | 3346 | CCCAACAGTACCCCTGCGCCTCTGAGACTGATGGCTACGTTGGCCCCCTGACCTGCAGCCCC | 3405 |
| Qy | 1381 | CAGCTGAAATATGTGAAACACAGCCAGATGTTGCGGCCAGGCCCTTGCGCCCGAGAGAGGC | 1440 |
| Db | 3406 | CAGCTGAAATATGTGAAACACAGCCAGATGTTGCGGCCAGGCCCTTGCGCCCGAGAGAGGC | 3465 |
| Qy | 1441 | CCTCTGCGCTGCTGGCCCCGACCTGCTGTGTGCACACTCTGAAAAAGGCCCAAGACTCTCTCCCA | 1500 |
| Db | 3466 | CCTCTGCGCTGCTGGCCCCGACCTGCTGTGTGCACACTCTGAAAAAGGCCCAAGACTCTCTCCCA | 3525 |
| Qy | 1501 | GGGAAAGATGGGGGTGCTCAAGACGTTTTTGGCTTTGGGGGGTGCCTGAGAACCCCGAG | 1560 |
| Db | 3526 | GGGAAAGATGGGGGTGCTCAAGACGTTTTTGGCTTTGGGGGGTGCCTGAGAACCCCGAG | 3585 |
| Qy | 1561 | TACTTGAACCCCAAGGGAGAGAGCGCCCTCAGGCCACCCCTCTCTGACCTTCAGGCCA | 1620 |
| Db | 3586 | TACTTGAACCCCAAGGGAGAGAGCGCCCTCAGGCCACCCCTCTCTGACCTTCAGGCCA | 3645 |
| Qy | 1621 | GCCTTGCACAACCTCTATTACTGTGGAGACAGGACCCACAGAGCGGGGGGCTCCACCCAGC | 1680 |
| Db | 3646 | GCCTTGCACAACCTCTATTACTGTGGAGACAGGACCCACAGAGCGGGGGGCTCCACCCAGC | 3705 |
| Qy | 1681 | ACCTTCAAAAGGACACCTACCGGACAGAGAACCCAGAGTACTGAGTCTTGAGACGTGCCAGTG | 1740 |
| Db | 3706 | ACCTTCAAAAGGACACCTACCGGACAGAGAACCCAGAGTACTGAGTCTTGAGACGTGCCAGTG | 3765 |
| RESULT 8 | | | |
| US-08-229-515A-9 | | | |
| ; Sequence 9, Application US/08229515A | | | |
| ; Patent No. 551885 | | | |
| GENERAL INFORMATION: | | | |
| APPLICANT: RAZIYUDDIN | | | |
| APPLICANT: SARKAR, FAZLUL H | | | |
| TITLE OF INVENTION: ERBB2 PROMOTER BINDING PROTEIN IN | | | |
| TITLE OF INVENTION: NEOPLASTIC DISEASE | | | |
| NUMBER OF SEQUENCES: 19 | | | |
| CORRESPONDENCE ADDRESS: | | | |
| ADDRESSEE: NEEDLE & ROSENBERG PC | | | |
| STREET: 127 Peachtree Street, Suite 1200 | | | |
| CITY: Atlanta | | | |
| STATE: Georgia | | | |
| COUNTRY: usa | | | |
| ZIP: 30303 | | | |
| COMPUTER READABLE FORM: | | | |
| MEDIUM TYPE: floppy disk | | | |
| COMPUTER: IBM PC compatible | | | |
| OPERATING SYSTEM: PC-DOS/MS-DOS | | | |
| SOFTWARE: Patent In Release #1.0, Version #1.30 | | | |
| CURRENT APPLICATION DATA: | | | |
| APPLICATION NUMBER: US/08/229,515A | | | |
| FILING DATE: 19 APR 1994 | | | |
| CLASSIFICATION: 435 | | | |
| ATTORNEY/AGENT INFORMATION: | | | |
| NAME: PERRYMAN, DAVID G | | | |
| REGISTRATION NUMBER: 33,438 | | | |
| REFERENCE/DOCKET NUMBER: 1114, 608 | | | |
| TELECOMMUNICATION INFORMATION: | | | |
| TELEPHONE: 404-688-0770 | | | |
| TELEFAX: 404-688-9880 | | | |
| INFORMATION FOR SEQ ID NO: 9: | | | |
| SEQUENCE CHARACTERISTICS: | | | |
| LENGTH: 4530 base pairs | | | |
| TYPE: nucleic acid | | | |
| STRANDEDNESS: single | | | |
| TOPOLOGY: linear | | | |
| US-08-229-515A-9 | | | |
| Query Match | 99.9% | Score 1738.4; | DB 1; Length 4530; |

ATTORNEY/AGENT INFORMATION:
NAME: PERRYMAN, DAVID G
REGISTRATION NUMBER: 33,438
REFERENCE/DOCKET NUMBER: 1414.608
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404-688-0770
TELEFAX: 404-688-9880
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 4530 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-645-865-9

Query Match 99.9%; Score 1738.4; DB 1; Length 4530;
Beet Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

1 AAGCAGCGCAGCAGAGATCCGGAAGTACAGATGCGGAGACTGCTGAGGAAACGAG 60
2176 AAGCAGCGCAGCAGAGATCCGGAAGTACAGATGCGGAGACTGCTGAGGAAACGAG 2235
61 CTGTGAGAGCCGCTGACACCTTAGCGAGCGATGCCAACGAGCGCAGATGCGATCTG 120
2236 CTGTGAGAGCCGCTGACACCTTAGCGAGCGATGCCAACGAGCGCAGATGCGATCTG 2295
121 AAAGAGAGGAGCTAGAGAGGTGAAGGTCTTGAATCTGGGCTTTTGGSCACAGCTAC 180
2286 AAAGAGAGGAGCTAGAGAGGTGAAGGTCTTGAATCTGGGCTTTTGGSCACAGCTAC 2355
181 AAGGCACTCTGATCCCTGATGGGAGAAATGTGAAATTCAGTGGCCATCAAAGTTTG 240
2356 AAGGCACTCTGATCCCTGATGGGAGAAATGTGAAATTCAGTGGCCATCAAAGTTTG 2415
241 AAGGAAACACATCCCTCCCAAGCCAACAAAGAAATCTTAGAGAGCATATCGTATGCT 300
2416 AAGGAAACACATCCCTCCCAAGCCAACAAAGAAATCTTAGAGAGCATATCGTATGCT 2475
301 GGTGTGGGCTCCCATATGTCTCCCGCTTCTGGGAGATGCTGCTACATCCAGGTGACG 360
2476 GGTGTGGGCTCCCATATGTCTCCCGCTTCTGGGAGATGCTGCTACATCCAGGTGACG 2535
361 CTGTGAGACACAGCTATGCTTATGAGCTGCTTATGAGCATATGCTGAGGAAACGCGGA 420
2536 CTGTGAGACACAGCTATGCTTATGAGCTGCTTATGAGCATATGCTGAGGAAACGCGGA 2595
421 CGCTGGGCTCCAGAGACTGCTGAATGTGTATGAGATTCGAAAGGAGATGAGCTAC 480
2596 CGCTGGGCTCCAGAGACTGCTGAATGTGTATGAGATTCGAAAGGAGATGAGCTAC 2655
481 CTGAGAGATGTGGGCTGCTGACAGAGGATCTGGCCGCTGGAAAGTCTGTCTCAAGAT 540
2656 CTGAGAGATGTGGGCTGCTGACAGAGGATCTGGCCGCTGGAAAGTCTGTCTCAAGAT 2715
541 CCCAACCATGTGAATTAACAATTCGCGGCTGCTGCGCTGCTGAGCAATTAAGAGACA 600
2716 CCCAACCATGTGAATTAACAATTCGCGGCTGCTGCGCTGCTGAGCAATTAAGAGACA 2775
601 GAGTACATGACATGAGGAGCAAGGTCCCATCAAGTGAATGAGCTGAGATCTTCTC 660
2776 GAGTACATGACATGAGGAGCAAGGTCCCATCAAGTGAATGAGCTGAGATCTTCTC 2835
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2896 ATGACTTTTGGGCGCAACCTTAAGATGAGTCCAGCCGCGGAGATTCCTGACCTGCG 2955
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2956 GAAAAGGGAGCGGCTGCCAGGCCCATCTGACCATTTGATGATGATCATGATCATG 3015
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3016 GTCAAAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3075
901 TTCTCCCGCATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 960
3076 TTCTCCCGCATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3135
961 CCAGCAGTCCCTTGGACAGGACCTTACAGGCTTACAGGCTTACAGGCTTACAGGCTTAC 1020
3136 CCAGCAGTCCCTTGGACAGGACCTTACAGGCTTACAGGCTTACAGGCTTACAGGCTTAC 3195
1021 GACCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1080
3196 GACCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3255
1081 GCCCGGCGCTGGGAGCATGCTCCACAGGACCCGAGCTCATCAAGAGTGGC 1140
3256 GCCCGGCGCTGGGAGCATGCTCCACAGGACCCGAGCTCATCAAGAGTGGC 3315
1141 GGTGGGACCTGACATGAGGCTGAGGCTTGAAGAGAGGAGGAGGAGGAGGAGGAGGAGG 1200
3316 GGTGGGACCTGACATGAGGCTGAGGCTTGAAGAGAGGAGGAGGAGGAGGAGGAGGAGG 3375
1201 GCACCTCCGAAAGGAGGCTGCTCCGATGATGATGATGATGATGATGATGATGATGATG 1260
3376 GCACCTCCGAAAGGAGGCTGCTCCGATGATGATGATGATGATGATGATGATGATGATG 3435
1261 AAGGGCTGCAAAAGCTCCCAACATGATGATGATGATGATGATGATGATGATGATGATG 1320
3436 AAGGGCTGCAAAAGCTCCCAACATGATGATGATGATGATGATGATGATGATGATGATG 3495
1321 CCCACAGTACCTTCCCTCTGAGACCTGATGATGATGATGATGATGATGATGATGATGATG 1380
3496 CCCACAGTACCTTCCCTCTGAGACCTGATGATGATGATGATGATGATGATGATGATGATG 3555
1381 CAGCCTGAATATGTAACACAGCAGATGATGATGATGATGATGATGATGATGATGATGATG 1440
3556 CAGCCTGAATATGTAACACAGCAGATGATGATGATGATGATGATGATGATGATGATGATG 3615
1441 CCTTGCCTGCTGCCGACCTGCTGATGATGATGATGATGATGATGATGATGATGATGATG 1500
3616 CCTTGCCTGCTGCCGACCTGCTGATGATGATGATGATGATGATGATGATGATGATGATG 3675
1501 GGGAAAGATGGGCTGCTGAAAGAGCTTTTGTCTTGGGGGCTGCTGAGAAACCCGAG 1560
3676 GGGAAAGATGGGCTGCTGAAAGAGCTTTTGTCTTGGGGGCTGCTGAGAAACCCGAG 3735
1561 TACTTGAACCCACAGGAGGAGCTGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTG 1620
3736 TACTTGAACCCACAGGAGGAGCTGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTG 3795
1621 GCTTTCGACCACTTATTAATGAGGACCAAGGACCAAGGAGGAGGAGGAGGAGGAGGAG 1680
3796 GCTTTCGACCACTTATTAATGAGGACCAAGGACCAAGGAGGAGGAGGAGGAGGAGGAG 3855
1681 ACCTTCAAAAGGACCTTACAGGAGAGAACCAAGATACCTTGTGTGAGCTGCTGAGT 1740
3856 ACCTTCAAAAGGACCTTACAGGAGAGAACCAAGATACCTTGTGTGAGCTGCTGAGT 3915

RESULT 10
US-09-167-322-4
; Sequence 4, Application US/09167322
; Patent No. 6365151
GENERAL INFORMATION:
APPLICANT: Allegheny University of the Health
Sciences, Halpern, Michael S.
England, James M.
TITLE OF INVENTION: CANCER VACCINE
NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:
ADDRESSEE: Seidel, Gonda, Lavorigna & Monaco, P.C.
STREET: Suite 1800, Two Penn Center Plaza
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19102
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/167,322
FILING DATE: 07-Oct-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/00582
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Monaco, Daniel A.
REGISTRATION NUMBER: 30,480
REFERENCE/DOCKET NUMBER: 7933-33 PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-8383
TELEFAX: (215) 568-5549
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 4530 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-167-322-4
Query Match 99.9%; Score 1738.4; DB 3; Length 4530;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAGCGACGGCAGCAGAAAGATCCGGAAGTACACGATGCCGAGACTGCTCAGAGAAACGAG 60
DB 2176 AAGGAGCGCGCAGAGAAATCCGGAAGTACACGATGCCGAGACTGCTCAGAGAAACGAG 2235
QY 61 CTGTGTGAGCCGCTGACACCTTAGCGGAGCGATGCCCAACAGGCGCAGATGCGATCCTG 120
DB 2236 CTGTGTGAGCCGCTGACACCTTAGCGGAGCGATGCCCAACAGGCGCAGATGCGATCCTG 2235
QY 121 AAAGGAGCGAGCTGAGGAAGGTGAAGTCTGTGATCTGGCGCTTTTGGACAGTCTTAC 180
DB 2296 AAAGGAGCGAGCTGAGGAAGGTGAAGTCTGTGATCTGGCGCTTTTGGACAGTCTTAC 2355
QY 181 AAGGCGATCTGGATCCCTGATGGGAGATGAAATTCAGATGGCCATCAAGTCTTG 240
DB 2356 AAGGCGATCTGGATCCCTGATGGGAGATGAAATTCAGATGGCCATCAAGTCTTG 2415
QY 241 AAGGAAACACATCCCCCAAAACCAAAAGAAATCTTAGACGAAGCATCTGTATGCT 300
DB 2416 AAGGAAACACATCCCCCAAAACCAAAAGAAATCTTAGACGAAGCATCTGTATGCT 2475
QY 301 GGTGTGGGCTCCCATATGTCTCCCGCTTCTGGGCACTGCTGACATCCAGGTGAG 360
DB 2476 GGTGTGGGCTCCCATATGTCTCCCGCTTCTGGGCACTGCTGACATCCAGGTGAG 2535
QY 361 CTGTGTGACAGACTTATGCTCCCTATGGCTGCTTAGACCATGTCCGGGAAAAACCGCGGA 420
DB 2536 CTGTGTGACAGACTTATGCTCCCTATGGCTGCTTAGACCATGTCCGGGAAAAACCGCGGA 2535
QY 421 CGCCTGGGCTCCAGAGACTGCTGAATGTGTATGACAGATTGCGCAAGGGATGAGCTAC 480
DB 2596 CGCCTGGGCTCCAGAGACTGCTGAATGTGTATGACAGATTGCGCAAGGGATGAGCTAC 2655
QY 481 CTGAGAGATGTGGGCTGTACACAGGAGCTTTGGCGGCTCGGAACGTGCTGCTCAAGAGT 540

DB 2656 CTGAGAGATGTGGGCTGTACACAGGAGCTTTGGCGGCTCGGAACGTGCTGCTCAAGAGT 2715
QY 541 CCGAACCATGTCAAAATTTACAGACTTGGGCTGCTGCTGCTGAGCATTTGACGAGACA 600
DB 2716 CCGAACCATGTCAAAATTTACAGACTTGGGCTGCTGCTGCTGAGCATTTGACGAGACA 2775
QY 601 GAGTACCATGCGAATGGGGGCAAGGTGCCATCAAGTGAATGGGCTGAGATCCATTCTC 660
DB 2776 GAGTACCATGCGAATGGGGGCAAGGTGCCATCAAGTGAATGGGCTGAGATCCATTCTC 2835
QY 661 CGCCGCGGCTTACCCACACAGATGATGTGAGATTATGTTGACTGTGTGGAGCTG 720
DB 2836 CGCCGCGGCTTACCCACACAGATGATGTGAGATTATGTTGACTGTGTGGAGCTG 2895
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DB 2896 ATGACTTTTGGGGCCAAACCTTAGATGGATGCCAGCCGCGAGATCCCTGACTGCTG 2955
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DB 3016 GTCAATGTTGATGATTTGACTGTGAATGTGCGCCAAAGATTCCGGAGATTGTTCTGAA 3075
QY 901 TTCTCCGCGATGCGCAGAGAACCCCGACGCTTTGTGTATCATCAGAAATGAGACTTGGGC 960
DB 3076 TTCTCCGCGATGCGCAGAGAACCCCGACGCTTTGTGTATCATCAGAAATGAGACTTGGGC 3135
QY 961 CCAGCCAGTCCCTTGGACAGCACTTTACCGCTCATCTGCTGAGAGACATGACATGGGG 1020
DB 3136 CCAGCCAGTCCCTTGGACAGCACTTTACCGCTCATCTGCTGAGAGACATGACATGGGG 3195
QY 1021 GACCTGGGAGATGCTGAGAGTATCTGATATCCCGAGAGGGCTTCTCTGTCAGACCTT 1080
DB 3196 GACCTGGGAGATGCTGAGAGTATCTGATATCCCGAGAGGGCTTCTCTGTCAGACCTT 3255
QY 1081 GCCCGGCGCGCTGGGGGCGATGCTCACACAGGACCGCAGCTCATCTACAGGAGTGGC 1140
DB 3256 GCCCGGCGCGCTGGGGGCGATGCTCACACAGGACCGCAGCTCATCTACAGGAGTGGC 3315
QY 1141 GGTGGGAGCTGTACACTTAGGGCTGAGCCCTCTGAAGAAGAGGCCCCCAAGTCTTCCACTG 1200
DB 3316 GGTGGGAGCTGTACACTTAGGGCTGAGCCCTCTGAAGAAGAGGCCCCCAAGTCTTCCACTG 3375
QY 1201 GCACCTCCGAGAGGGGCTGGCTCCGATGTTTGAATGTGTACCTGGGAATGGGGGCGGCC 1260
DB 3376 GCACCTCCGAGAGGGGCTGGCTCCGATGTTTGAATGTGTACCTGGGAATGGGGGCGGCC 3435
QY 1261 AAGGGGCTGCAAAAGCTTCCCAACATGACCCAGCCCTCTACAGCGGTACAGTGAAGAC 1320
DB 3436 AAGGGGCTGCAAAAGCTTCCCAACATGACCCAGCCCTCTACAGCGGTACAGTGAAGAC 3495
QY 1321 CCGACAGTACCCTGCTGCTCTGAGACTGATGCTTACGTTGCCCCCTGACCTGACGCCCC 1380
DB 3496 CCGACAGTACCCTGCTGCTCTGAGACTGATGCTTACGTTGCCCCCTGACCTGACGCCCC 3555
QY 1381 CAGGCTGAATATGGAACCAAGCCAGAGTTCGAGCCCGAGCCCTTGGCCCCGAGAGGGC 1440
DB 3556 CAGGCTGAATATGGAACCAAGCCAGAGTTCGAGCCCGAGCCCTTGGCCCCGAGAGGGC 3615
QY 1441 CCTGTGCTGCTGCGCAGCTGCTGATGCTGCACTGTGAAAAGGCCAAGACTCTTCCCA 1500
DB 3616 CCTGTGCTGCTGCGCAGCTGCTGATGCTGCACTGTGAAAAGGCCAAGACTCTTCCCA 3675
QY 1501 GGGAAAGATGGGCTGTCAAAAGCTTTTGGCTTTGGGGGATGCGTGAAGAACCCCGAG 1560
DB 3676 GGGAAAGATGGGCTGTCAAAAGCTTTTGGCTTTGGGGGATGCGTGAAGAACCCCGAG 3735
QY 1561 TACTTGAACCCCAAGGAGAGGCTGCCCTCAAGCCCACTCTCTGCTTCAAGCCCA 1620
DB 3736 TACTTGAACCCCAAGGAGAGGCTGCCCTCAAGCCCACTCTCTGCTTCAAGCCCA 3795

Qy 1621 GCCTTCGACAACTTCTATTACTGGAGCAGAGCCACAGAGCGGGGGCTCCACCCAGC 1680
Db 3796 GCCTTCGACAACTTCTATTACTGGAGCAGAGCCACAGAGCGGGGGCTCCACCCAGC 3855
Qy 1681 ACCTTCAGAGGAGCCTTACCGGAGAGAACCCAGAGTACTTGGGTCTGGACCTGCCAGTG 1740
Db 3856 ACCTTCAGAGGAGCCTTACCGGAGAGAACCCAGAGTACTTGGGTCTGGACCTGCCAGTG 3915

RESULT 11

US-09-527-487-1
; Sequence 1, Application US/09527487
; Patent No. 6528060
; GENERAL INFORMATION:
; APPLICANT: Nicolette, Charles
; TITLE OF INVENTION: HER2 ANTIGENIC PEPTIDES
; FILE REFERENCE: 12681309200
; CURRENT APPLICATION NUMBER: US/09/527,487
; CURRENT FILING DATE: 2000-03-16
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4530
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (151)..(3915)
US-09-527-487-1

Query Match 99.9%; Score 1738.4; DB 4; Length 4530;
Best Local Similarity 99.9%; Pred. No. 0;

Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAGGACGCGACGAGAGATCCGGAAGTACACGATCCGAGACTGCTGCAGAAACGGAG 60
Db 2176 AAGGACGCGACGAGAGATCCGGAAGTACACGATCCGAGACTGCTGCAGAAACGGAG 2235
Qy 61 CTGTGTGAGCGCGCTGACACCTGAGCGAGAGATGCCCAACGAGCCGAGATGGGATCCG 120
Db 2236 CTGTGTGAGCGCGCTGACACCTGAGCGAGAGATGCCCAACGAGCCGAGATGGGATCCG 2295
Qy 121 AAGGACGCGAGCTGAGAGAGGTGAAGTCTTGTGATCTGGGCTTTTGGCAGCTCTAC 180
Db 2236 AAGGACGCGAGCTGAGAGAGGTGAAGTCTTGTGATCTGGGCTTTTGGCAGCTCTAC 2355
Qy 181 AAGGACATCTGATCTCTGATGGGAGAAATGTGAATAATTCAGTGGCCATCAAGTGTG 240
Db 2386 AAGGACATCTGATCTCTGATGGGAGAAATGTGAATAATTCAGTGGCCATCAAGTGTG 2415
Qy 241 AAGGAAAAACATCCCCCAACCAAAAGAAATCTTGAAGAGACATACGTGATGCT 300
Db 2416 AAGGAAAAACATCCCCCAACCAAAAGAAATCTTGAAGAGACATACGTGATGCT 2475
Qy 301 GGTGTGGGCTCCCAATATGCTCCGCGCTTCTGGGATCTGCCTGACATCCAGCGGTGAG 360
Db 2476 GGTGTGGGCTCCCAATATGCTCCGCGCTTCTGGGATCTGCCTGACATCCAGCGGTGAG 2535
Qy 361 CTGTGTGACAGACTTATGCTCTATGCTGCTCTTGAACATGTCGGGAAAAACCGCGGA 420
Db 2536 CTGTGTGACAGACTTATGCTCTATGCTGCTCTTGAACATGTCGGGAAAAACCGCGGA 2595
Qy 421 CGCCTGGGCTCCCAAGACCTGCTGAATGCTGTATGACATTTGCCAAGGGAGTGAAGTAC 480
Db 2596 CGCCTGGGCTCCCAAGACCTGCTGAATGCTGTATGACATTTGCCAAGGGAGTGAAGTAC 2655
Qy 481 CTGAAGATGTGGGCTGTACACAGGAGCTTGGCGGCTCGGAAAGTGTGGTCAAGAGT 540
Db 2656 CTGAAGATGTGGGCTGTACACAGGAGCTTGGCGGCTCGGAAAGTGTGGTCAAGAGT 2715
Qy 541 CCAACCAATGTCAAAATTAACAAGCTTGGGCTGGCTGGCTGCTGACATTTGACAGAGCA 600
Db 541 CCAACCAATGTCAAAATTAACAAGCTTGGGCTGGCTGGCTGCTGACATTTGACAGAGCA 600

Db 2716 CCAACCAATGTCAAAATTAACAAGCTTGGGCTGGCTGGCTGCTGACATTTGACAGAGCA 2775
Qy 601 GAGTACATGAGATGGGGGAGAGGTGCCATCAAGTGAATGCGCTGAGATCATTTCTC 660
Db 2776 GAGTACATGAGATGGGGGAGAGGTGCCATCAAGTGAATGCGCTGAGATCATTTCTC 2835
Qy 661 CGCCGGCGGTTCAACCACAGAGTATGTGTGAATTAATGTGTACCTGTGTGGAGCTG 720
Db 2836 CGCCGGCGGTTCAACCACAGAGTATGTGTGAATTAATGTGTACCTGTGTGGAGCTG 2895
Qy 721 ATGACTTTTGGGGGCAAACTTTAGATGGGATCCAGGCGGGGAGATCCCTGACCTGCTG 780
Db 2896 ATGACTTTTGGGGGCAAACTTTAGATGGGATCCAGGCGGGGAGATCCCTGACCTGCTG 2955
Qy 781 GAAAAAGGGAGCGGCTGCCAGCGCCCACTTGCACCATTTGATGTCTACATGATCATG 840
Db 2956 GAAAAAGGGAGCGGCTGCCAGCGCCCACTTGCACCATTTGATGTCTACATGATCATG 3015
Qy 841 GTCAATGTGGATGATTTGACTCTGAATGTGGCCAGATTCGGGAGTTGGTGTGAA 900
Db 3016 GTCAATGTGGATGATTTGACTCTGAATGTGGCCAGATTCGGGAGTTGGTGTGAA 3075
Qy 901 TTCTCCCGCATGGCCAGGAGCCCGAGGCTTTGTGTGATCCAGATGAGGACTTGGGC 960
Db 3076 TTCTCCCGCATGGCCAGGAGCCCGAGGCTTTGTGTGATCCAGATGAGGACTTGGGC 3135
Qy 961 CCAGCAGATCCCTTGGAGAGACCTTCTACCGCTCACTGCTGAGAGAGATGATGAGG 1020
Db 3136 CCAGCAGATCCCTTGGAGAGACCTTCTACCGCTCACTGCTGAGAGAGATGATGAGG 3195
Qy 1021 GACTGTGTGATGCTGAGAGATCTGTGATCCCGACAGGCTTCTTCTGTCCAGACCT 1080
Db 3196 GACTGTGTGATGCTGAGAGATCTGTGATCCCGACAGGCTTCTTCTGTCCAGACCT 3255
Qy 1081 GCGCCGGGCGCTGGGGGAGATGTCACACAGGACCCGAGCTCATCTACAGAGATGGC 1140
Db 3256 GCGCCGGGCGCTGGGGGAGATGTCACACAGGACCCGAGCTCATCTACAGAGATGGC 3315
Qy 1141 GGTGTGGAGCTGACACTAGAGGCTGTGAGCCCTCTGAAGAGAGGCCCCAGGCTCTCACTG 1200
Db 3316 GGTGTGGAGCTGACACTAGAGGCTGTGAGCCCTCTGAAGAGAGGCCCCAGGCTCTCACTG 3375
Qy 1201 GCACCTCCGAAAGGGGCTGGCTCCGATGATTTGATGTGATCTGGGAAATGGGGCAGCC 1260
Db 3376 GCACCTCCGAAAGGGGCTGGCTCCGATGATTTGATGTGATCTGGGAAATGGGGCAGCC 3435
Qy 1261 AAGGGGCTGCAAAAGCTTCCCAACATGACCCCAACCTCTACACGGTACATGAGAGC 1320
Db 3436 AAGGGGCTGCAAAAGCTTCCCAACATGACCCCAACCTCTACACGGTACATGAGAGC 3495
Qy 1321 CCAACAGTACCCTGCTGAGACTGATGGCTAGTGTGCTGATGCTGAGCCCTGACAGCCCC 1380
Db 3496 CCAACAGTACCCTGCTGAGACTGATGGCTAGTGTGCTGATGCTGAGCCCTGACAGCCCC 3555
Qy 1381 CAGCTGAAATATGTGAACCAAGCAGATGTTGGGCCCAAGCCCTTGGCCCGAGAGGCG 1440
Db 3556 CAGCTGAAATATGTGAACCAAGCAGATGTTGGGCCCAAGCCCTTGGCCCGAGAGGCG 3615
Qy 1441 CCTGTGCTGCTGCGCCGACCTGCTGTGCTCACTCTGGAAGAGGCCCAAGACTTCTCCCA 1500
Db 3616 CCTGTGCTGCTGCGCCGACCTGCTGTGCTCACTCTGGAAGAGGCCCAAGACTTCTCCCA 3675
Qy 1501 GGGAGAAATGGGGGTGTCAAGAAGCTTTTGGCTTTGGGGGGTGGCTGAGAAACCCGAG 1560
Db 3676 GGGAGAAATGGGGGTGTCAAGAAGCTTTTGGCTTTGGGGGGTGGCTGAGAAACCCGAG 3735
Qy 1561 TACTTGAACCCCAAGAGAGAGCTGCCCTCAGGCCCAACCTCTCTGCTTCAAGCCCA 1620
Db 3736 TACTTGAACCCCAAGAGAGAGCTGCCCTCAGGCCCAACCTCTCTGCTTCAAGCCCA 3795
Qy 1621 GCCTTCGACAACTCTATTACTGGAGCAGAGCCACAGAGCGGGGGCTTCAACCCAGC 1680
Db 3796 GCCTTCGACAACTCTATTACTGGAGCAGAGCCACAGAGCGGGGGCTTCAACCCAGC 3855

QY 1681 ACCTTCAAGGACACCTTACGCGACAGAACCCAGAGTACTGGGTCTGAGCGTCCAGTG 1740
Db 3856 ACCTTCAAGGACACCTTACGCGACAGAACCCAGAGTACTGGGTCTGAGCGTCCAGTG 3915

RESULT 12

US-09-877-177A-11
; Sequence 11, Application us/09877177A
; Patent No. 6582919
; GENERAL INFORMATION:
; APPLICANT: K. Danenberg
; TITLE OF INVENTION: Method of determining Epidermal Growth
; TITLE OF INVENTION: Factor Receptor and HER2-Neu Gene Expression
; FILE REFERENCE: 11220/120
; CURRENT APPLICATION NUMBER: US/09/877,177A
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 4530
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-877-177A-11

Query Match 99.9%; Score 1738.4; DB 4; Length 4530;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAGGACGCGACGACAGAAATCCGGAAGTACACGATGCCGAGACTGCTCAGAGAAACGAG 60
Db 2176 AAGGACGCGACGACAGAAATCCGGAAGTACACGATGCCGAGACTGCTCAGAGAAACGAG 2235
QY 61 CTGTGAGAGCGCTGACACACTAGCGAGCGATGCCCAACAGCGCAGATGGAGTCTCTG 120
Db 2236 CTGTGAGAGCGCTGACACACTAGCGAGCGATGCCCAACAGCGCAGATGGAGTCTCTG 2295
QY 121 AAAGAGACGAGCTGAGAGAGGTGAAGGTGCTTGATCTGCGCTTTTGGACAGTCTAC 180
Db 2296 AAAGAGACGAGCTGAGAGAGGTGAAGGTGCTTGATCTGCGCGCTTTTGGACAGTCTAC 2355
QY 181 AAGGCACTTGGATTCCTGATGGGGAGAAATGTGAAAAATTCAGTGGCCATCAAGTGTG 240
Db 2356 AAGGCACTTGGATTCCTGATGGGGAGAAATGTGAAAAATTCAGTGGCCATCAAGTGTG 2415
QY 241 AAGGAAAAACATCCCCCAAGCCAAAGAAATCTTAGAGGAAGCAATAGTATGAGT 300
Db 2416 AAGGAAAAACATCCCCCAAGCCAAAGAAATCTTAGAGGAAGCAATAGTATGAGT 2475
QY 301 GGTGTGGGCTCCCATATGTCCTCGGCTTCTGGGCACTGCTGACATCCACGATGCGAG 360
Db 2476 GGTGTGGGCTCCCATATGTCCTCGGCTTCTGGGCACTGCTGACATCCACGATGCGAG 2535
QY 361 CTGTGTACACAGCTTATGCTTATGCTGCTCTTGAACATGTCGGGAAAAACCGCGGA 420
Db 2536 CTGTGTACACAGCTTATGCTTATGCTGCTCTTGAACATGTCGGGAAAAACCGCGGA 2595
QY 421 CGCCTGGGCTCCCAAGACCTGCTGAACCTGTGTATGAGATTTGCCAAGGGATAGAGTAC 480
Db 2596 CGCCTGGGCTCCCAAGACCTGCTGAACCTGTGTATGAGATTTGCCAAGGGATAGAGTAC 2655
QY 481 CTGAGAGATGTGCGGCTCTGTACACAGGACTTGGCGCTCGGAAAGTGTCTGTCAAGAGT 540
Db 2656 CTGAGAGATGTGCGGCTCTGTACACAGGACTTGGCGCTCGGAAAGTGTCTGTCAAGAGT 2715
QY 541 CCACAACATGTCAAAATTAACAAGACTTGGGCTGCGCTCGCTGAGACATTTGACAGACA 600
Db 2716 CCACAACATGTCAAAATTAACAAGACTTGGGCTGCGCTCGCTGAGACATTTGACAGACA 2775
QY 601 GAGTACCATGAGATGGGGGGAAGGTGCCCATCAAGTGGAGTGGCGCTGGATCTTCTC 660
Db 2776 GAGTACCATGAGATGGGGGGAAGGTGCCCATCAAGTGGAGTGGCGCTGGATCTTCTC 2835

QY 661 CGCCGGCGGTTACCCACACAGAGTATGTGTGAGTTATGCTGTGAGTGTGGAGCTG 720
Db 2836 CGCCGGCGGTTACCCACACAGAGTATGTGTGAGTTATGCTGTGAGTGTGGAGCTG 2895
QY 721 ATGACTTTTGGGGGCAAACTTTAGATGGGATCCAGCGCGGGAGATCCCTGACCTGCTG 780
Db 2896 ATGACTTTTGGGGGCAAACTTTAGATGGGATCCAGCGCGGGAGATCCCTGACCTGCTG 2955
QY 781 GAAAAAGGGAGCGGCTGCCCCAGCCCCCATCTGACACATTTGATGTCTACATGATCATG 840
Db 2956 GAAAAAGGGAGCGGCTGCCCCAGCCCCCATCTGACACATTTGATGTCTACATGATCATG 3015
QY 841 GTCAATGTTGGATGATTTGACTCTGAATGTGCGCCAAAGATTCGGAGTTGTGTCTGAA 900
Db 3016 GTCAATGTTGGATGATTTGACTCTGAATGTGCGCCAAAGATTCGGAGTTGTGTCTGAA 3075
QY 901 TTTCTCCGCGCATGGCGACAGGACCCCGACCGCTTGTGTGATCCAGAAATGAGACTTGGG 960
Db 3076 TTTCTCCGCGCATGGCGACAGGACCCCGACCGCTTGTGTGATCCAGAAATGAGACTTGGG 3135
QY 961 CCAGCCAGTCCCTTGGACAGACACCTTCTACCGCTCACTGCTGAGAGAGATGATGAGGG 1020
Db 3136 CCAGCCAGTCCCTTGGACAGACACCTTCTACCGCTCACTGCTGAGAGAGATGATGAGGG 3195
QY 1021 GACCTGTGATGTGAGAGATATCTGATACCCAGACAGGGCTTCTTCTGTCCAGACCTT 1080
Db 3196 GACCTGTGATGTGAGAGATATCTGATACCCAGACAGGGCTTCTTCTGTCCAGACCTT 3255
QY 1081 GCGCCGGGCGGTGGGGGCAATGATCCACACAGGAGACCGGACGTATCTACAGAGTGGC 1140
Db 3256 GCGCCGGGCGGTGGGGGCAATGATCCACACAGGAGACCGGACGTATCTACAGAGTGGC 3315
QY 1141 GGTGGGACCTGACACTAGGGCTGAGGCCCTCTGAAGAGAGAGGCCCCAGGTTCTCACTG 1200
Db 3316 GGTGGGACCTGACACTAGGGCTGAGGCCCTCTGAAGAGAGAGGCCCCAGGTTCTCACTG 3375
QY 1201 GCACCTTCGAAAGGGGCTGCTCCGATGATTTGATGGTGAACCTGGGAATGGGGGACGCC 1260
Db 3376 GCACCTTCGAAAGGGGCTGCTCCGATGATTTGATGGTGAACCTGGGAATGGGGGACGCC 3435
QY 1261 AAGGGGCTGCAAAACCTCCCAACATGACCCCGCCCTCTACAGCGGTAAGTGAAGGAC 1320
Db 3436 AAGGGGCTGCAAAACCTCCCAACATGACCCCGCCCTCTACAGCGGTAAGTGAAGGAC 3495
QY 1321 CCCACAGTACCCCTGCGCTCTGAGACTGATGAGTACTTGGCCCTGACCTGAGAGCCCC 1380
Db 3496 CCCACAGTACCCCTGCGCTCTGAGACTGATGAGTACTTGGCCCTGACCTGAGAGCCCC 3555
QY 1381 CAGCCTGAATATGTGAACACAGCCAGATGTTGGGCCCAAGCCCTTGGCCCGAGAGGGC 1440
Db 3556 CAGCCTGAATATGTGAACACAGCCAGATGTTGGGCCCAAGCCCTTGGCCCGAGAGGGC 3615
QY 1441 CCTTGCCTGCTGCGCCGACCTGCTGTGTGCCACTCTGGAAGAAAGGCCCAAGACTCTCCCA 1500
Db 3616 CCTTGCCTGCTGCGCCGACCTGCTGTGTGCCACTCTGGAAGAAAGGCCCAAGACTCTCCCA 3675
QY 1501 GGAAGAATGGGGGCTGCAAAAGAGTCTTTTGGGGGTGCGTGTGAAGAACCCGAG 1560
Db 3676 GGAAGAATGGGGGCTGCAAAAGAGTCTTTTGGGGGTGCGTGTGAAGAACCCGAG 3735
QY 1561 TACTTGAACCCCAAGGAGAGAGCTGCCCTGAGCCCAACCTCTCTGCTTCAAGCCCA 1620
Db 3736 TACTTGAACCCCAAGGAGAGAGCTGCCCTGAGCCCAACCTCTCTGCTTCAAGCCCA 3795
QY 1621 GCTTTGCAACAACCTCTATTACTGTGGGACCAAGACCAAGAGCGGGGGGCTTCAACCCAGC 1680
Db 3796 GCTTTGCAACAACCTCTATTACTGTGGGACCAAGACCAAGAGCGGGGGGCTTCAACCCAGC 3855
QY 1681 ACCTTCAAGGGAACCTTACGCGACAGAGAACCCAGAGTACCTGGGTCTGAGCGTCCAGTG 1740
Db 3856 ACCTTCAAGGGAACCTTACGCGACAGAGAACCCAGAGTACCTGGGTCTGAGCGTCCAGTG 3915

RESULT 13
US-09-811-115-1
; Sequence 1, Application US/09811115
; Patent No. 6632979
; GENERAL INFORMATION:
; APPLICANT: Erickson, Sharon
; APPLICANT: Schwall, Ralph
; APPLICANT: King, Kathleen
; TITLE OF INVENTION: HER-2 TRANSGENIC NON-HUMAN TUMOR MODEL
; FILE REFERENCE: GENE.034A
; CURRENT APPLICATION NUMBER: US/09/811,115
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/189,844
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 9274
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Vector Sequence
US-09-811-115-1

Query Match 99.9%; Score 1738.4; DB 4; Length 9274;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAGCAGCGCAGCAGAGATCCGGAAGTACACGATCCGAGACTCTCGAGGAAACGAG 60
DB 3756 AAGCAGCGCAGCAGAGATCCGGAAGTACACGATCCGAGACTCTCGAGGAAACGAG 3815
QY 61 CTGGTGGAGCCGCTACACCTTAGCGGAGGATGCCCAACGAGCCGAGATGGGATCTTG 120
DB 3816 CTGGTGGAGCCGCTACACCTTAGCGGAGGATGCCCAACGAGCCGAGATGGGATCTTG 3875
QY 121 AAAGAGAGAGCTGAGAGAGGTTGAAGGCTTGGATCTGGGCTTTTGGACAGCTTAC 180
DB 3876 AAAGAGAGAGCTGAGAGAGGTTGAAGGCTTGGATCTGGGCTTTTGGACAGCTTAC 3935
QY 181 AAGGCACTGGATCTGATGGGAGAGATGTAAATTCAGTGGCCATCAAGTGTG 240
DB 3926 AAGGCACTGGATCTGATGGGAGAGATGTAAATTCAGTGGCCATCAAGTGTG 3995
QY 241 AAGGAAACACATCCCCCAAGCAACAAAGAAATCTTAGAGAGCATGCTGATGCT 300
DB 3996 AAGGAAACACATCCCCCAAGCAACAAAGAAATCTTAGAGAGCATGCTGATGCT 4055
QY 301 GGTGGGCTCCCATATGTCCTCCGCTTCTGGGCACTGCTGACATCCAGGATGAG 360
DB 4056 GGTGGGCTCCCATATGTCCTCCGCTTCTGGGCACTGCTGACATCCAGGATGAG 4115
QY 361 CTGGTGAACAAGCTTATGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCT 420
DB 4116 CTGGTGAACAAGCTTATGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCT 4175
QY 421 CGCTGGGCTCCAGAGCTGCTGAATCTGCTGATGCTGATGCTGATGCTGATGCTGATGCT 480
DB 4176 CGCTGGGCTCCAGAGCTGCTGAATCTGCTGATGCTGATGCTGATGCTGATGCTGATGCT 4235
QY 481 CTGAGAGATGCGGCTGCTGACAGAGACTTGGGCGCTGGGAAAGTGTGCTCAAGGT 540
DB 4236 CTGAGAGATGCGGCTGCTGACAGAGACTTGGGCGCTGGGAAAGTGTGCTCAAGGT 4295
QY 541 CCCAACATGTCATAATTAACAAGCTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
DB 4296 CCCAACATGTCATAATTAACAAGCTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 4355
QY 601 GAGTACATGAGATGGGGGCAAGGTGCCATCAAGTGAATGGCTGAGTCAATTC 660
DB 4356 GAGTACATGAGATGGGGGCAAGGTGCCATCAAGTGAATGGCTGAGTCAATTC 4415

QY 661 CGCCGCGGCTTCAACCCAGAGATGATGTGAGATTTAGTGTACTGTGTGGAGCTG 720
DB 4416 CGCCGCGGCTTCAACCCAGAGATGATGTGAGATTTAGTGTACTGTGTGGAGCTG 4475
QY 721 ATGACTTTTGGGGCCAACTTACAGATGGATCCAGGCGGAGATCCCTGACCTGCTG 780
DB 4476 ATGACTTTTGGGGCCAACTTACAGATGGATCCAGGCGGAGATCCCTGACCTGCTG 4535
QY 781 GAAAAGGGGAGCGGCTGCCAGCCCCCATCTGACACCATTTGATGTACATGATCATG 840
DB 4536 GAAAAGGGGAGCGGCTGCCAGCCCCCATCTGACACCATTTGATGTACATGATCATG 4595
QY 841 GTCAATGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900
DB 4596 GTCAATGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 4655
QY 901 TTTCTCCGATGAGCCAGGAGCCCGAGGCTTTGTGTGATCAGAAATGAGAGACTTGGGC 960
DB 4656 TTTCTCCGATGAGCCAGGAGCCCGAGGCTTTGTGTGATCAGAAATGAGAGACTTGGGC 4715
QY 961 CCAGCAGTCCCTTGAAGAGACCTTCTACGCTCACTGCTGAGAGAGATGAGAGCTG 1020
DB 4716 CCAGCAGTCCCTTGAAGAGACCTTCTACGCTCACTGCTGAGAGAGATGAGAGCTG 4775
QY 1021 GACCTGTGATGCTGAGAGATCTGATGATCCAGAGAGGCTTCTGTGCTGACAGCTT 1080
DB 4776 GACCTGTGATGCTGAGAGATCTGATGATCCAGAGAGGCTTCTGTGCTGACAGCTT 4835
QY 1081 GCGCCGCGGCTGAGGAGATGCTGACACAGGACCCGAGCTCATCTACAGAGATGCTC 1140
DB 4836 GCGCCGCGGCTGAGGAGATGCTGACACAGGACCCGAGCTCATCTACAGAGATGCTC 4895
QY 1141 GGTGGGAGCTGACACTAGAGGCTGAGGCTTGAAGAGAGAGGAGGAGGAGGAGGAGGAGG 1200
DB 4896 GGTGGGAGCTGACACTAGAGGCTTGAAGAGAGAGGAGGAGGAGGAGGAGGAGGAGG 4955
QY 1201 GCACCTCCGAGAGGAGGCTGCTGATGATTTGATGATGATGATGATGATGATGATGATG 1260
DB 4956 GCACCTCCGAGAGGAGGCTGCTGATGATTTGATGATGATGATGATGATGATGATGATG 5015
QY 1261 AAGGAGCTGCAAGCTTCCCAACATGATCCAGGCTTACAGGCTGATGATGATGATG 1320
DB 5016 AAGGAGCTGCAAGCTTCCCAACATGATCCAGGCTTACAGGCTGATGATGATGATG 5075
QY 1321 CCAAGATACCCCTGCTGAGACTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTG 1380
DB 5076 CCAAGATACCCCTGCTGAGACTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTG 5135
QY 1381 CAGCTGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1440
DB 5136 CAGCTGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 5195
QY 1441 CCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1500
DB 5196 CCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 5255
QY 1501 GGAAGATGAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1560
DB 5256 GGAAGATGAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 5315
QY 1561 TACTGACACCCAG 1620
DB 5316 TACTGACACCCAG 5375
QY 1621 GCTTTCGACAACTTATTAAG 1680
DB 5376 GCTTTCGACAACTTATTAAG 5435
QY 1681 ACCTTCAAG 1740
DB 5436 ACCTTCAAG 5495

RESULT 14
US-08-229-515A-14
Sequence 14, Application US/08229515A
Patent No. 551885
GENERAL INFORMATION:
APPLICANT: RAZIUDIN
APPLICANT: SARKAR, FAZUL H
TITLE OF INVENTION: EPRB2 PROMOTER BINDING PROTEIN IN
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG PC
STREET: 127 Peachtree Street, Suite 1200
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/229,515A
FILING DATE: 19 APR 1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: PERRYMAN, DAVID G
REGISTRATION NUMBER: 33,438
REFERENCE/DOCKET NUMBER: 1414.608
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404-688-0770
TELEFAX: 404-688-9880
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 3955 base pairs
TYPE: nucleic acid
STRADEDNESS: single
TOPOLOGY: linear
US-08-229-515A-14

Query Match 80.3% Score 1396.6; DB 1; Length 3955;
Best Local Similarity 87.7%; Pred. No. 0; Mismatches 214; Indels 0; Gaps 0;
Matches 1525; Conservative 0; Mismatches 214; Indels 0; Gaps 0;

QY 1 AAGGACGCGACAGAGATCCGGAATGACAGATCCGAGACTGCTCAGAGAAACGAG 60
DB 2057 AAGGACGCGACAGAGATCCGGAATGACAGATCCGAGACTGCTCAGAGAACTGAG 2116
QY 61 CTGTGTGAGCGCTGACACCTTAGCGGAGCGATGCCCAACAGGCGCAGATGCGATCCTG 120
DB 2117 TTAGTGGAGCGCTGACCGCCAGCGAGCAATGCCCACAGGCTCAATGCGGATCCTA 2176
QY 121 AAGGACGCGAGCTGAGAGAGGTGAAGGTGCTGATGCTGCGCTTTTGGACAGCTTAC 180
DB 2177 AAGGACGCGAGCTGAGAGAGGTGAAGGTGCTGATGAGAGCTTTTGGACAGCTTAC 2236
QY 181 AAGGACCTGATGCTGATGCTGATGCGGAGAGATGAAATTCAGATGCGCATGAACTGTG 240
DB 2237 AAGGACCTGATGCTGATGCTGATGCGGAGAGATGAAATTCAGATGCGCATGAACTGTG 2296
QY 241 AAGGACCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300
DB 2297 AAGGACCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2356
QY 301 GGTGTGGGCTCCCATATGCTCTCCGCTTCTGCGGATGCTGCTGCTGCTGCTGCTGCTGCTG 360
DB 2357 GGTGTGGGCTTCTCGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2416
QY 361 CTGTGTGACAGCTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
DB 2417 CTGTGTGACAGCTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2476

QY 421 CGCCTGGGCTCCAGAGACTGCTGATGCTGATGATGAGATTTGCAAGGGATGAGCTAC 480
DB 2477 CGCCTAGGCTCCAGAGACTGCTGATGCTGATGATGATGATGATGATGATGATGATGATGATG 2536
QY 481 CTGAGAGATGTCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
DB 2537 CTGAGAGAGCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2596
QY 541 CCACACATGCTCAAAATTTACAGACTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
DB 2597 CCACACACATGCTCAAAATTTACAGACTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2656
QY 601 GAGTACCATGAGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 660
DB 2657 GAGTACCATGAGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2716
QY 661 CGCCGCGGCTTCAACCCACAGAGATGATGATGATGATGATGATGATGATGATGATGATGATG 720
DB 2717 AGAGCGCGGTTCAACCCACAGAGATGATGATGATGATGATGATGATGATGATGATGATGATG 2776
QY 721 ATGACTTTTGGGCGCAAACTTTACGATGAGATGATGATGATGATGATGATGATGATGATGATG 780
DB 2777 ATGACTTTTGGGCGCAAACTTTACGATGAGATGATGATGATGATGATGATGATGATGATGATG 2836
QY 781 GAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 840
DB 2837 GAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2896
QY 841 GTCAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900
DB 2897 GTCAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2956
QY 901 TTCTCCGCGATGCGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 960
DB 2957 TTCTCCGCGATGCGCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3016
QY 961 CCACACATGCTTGTGAGACGACCTTCTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1020
DB 3017 CCACACATGCTTGTGAGACGACCTTCTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3076
QY 1021 GACCTGATGATGCTGAGAGATCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1080
DB 3077 GACCTGATGATGCTGAGAGATCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 3136
QY 1081 GCCCGGAGCGCTGGGAGCATGCTGCTACACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1140
DB 3137 ACCCAGGACATGAGAGACAGCCCATTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3196
QY 1141 GGTGGGACCTGACACTAGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1200
DB 3197 GGTGGGACCTGACACTAGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3256
QY 1201 GCACCTCCGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1260
DB 3257 GCACCTCCGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3316
QY 1261 AAGGAGCTGCAAAACCTTCCCAACATGACCCCAAGCCCTCTACAGCGGTACAGTGAAGAC 1320
DB 3317 AAGGAGCTGCAAAACCTTCCCAACATGACCCCAAGCCCTCTACAGCGGTACAGGAGGAGAC 3376
QY 1321 CCACAGTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1380
DB 3377 CCACAGTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3436
QY 1381 CAGCGTAAATATGAGACCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1440
DB 3437 CAGCGTAAATATGAGACCAATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3496
QY 1441 CCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1500
DB 3497 CCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3556
QY 1501 GGGAGGAATGGGAGTGTCAAAAGAGTTTGGCTTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1560

Db 3557 GGGAGAAATGGGGTGTCAAAAGACGTTTTTGGCTTCGGGGGTGTGTGAGAAACCTGAA 3616
Qy 1561 TACTTGACACCCGAGAGAGAGCTGCCCCCTCAGCCCACTCTCTGCTTCAGGCCA 1620
Db 3617 TACTTAGACCGAGAGAGAGAGCTGCTCTCCGCCCACTCTCTCTGCTTCAGGCCA 3676
Qy 1621 GCGTTCGACAACTCTATTACTGTGAGACCAAGACCAAGAGCGGGGGCTTCACCCAGC 1680
Db 3677 GCGTTCGACAACTCTATTACTGTGAGACCAAGACCAAGAGCGGGGGCTTCACCAAGT 3736
Qy 1681 ACCTTCAAGGAGACCTTACGCGAGAGAACCCAGAGTACTTGGGTCTGAGACCTGCAGT 1739
Db 3737 AACCTTGAAGGAGACCCCACTGCAAGAACCTTGAAGTACTTGGGTCTGAGACCTGCAGT 3795

RESULT 15
US-08-645-865-14
Sequence 14, Application US/08645865
Patent No. 5654406

GENERAL INFORMATION:
APPLICANT: RAZIUDIN
APPLICANT: SARKAR, FAZUL H
TITLE OF INVENTION: EREB2 PROMOTER BINDING PROTEIN IN
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: NEEDLE & ROSENBERG PC
STREET: 127 Peachtree Street, Suite 1200
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/645,865
FILING DATE: 14 MAY 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: PERRYMAN, DAVID G
REGISTRATION NUMBER: 33,438
REFERENCE/DOCKET NUMBER: 1414.608
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404-688-0770
TELEFAX: 404-688-9880
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 3955 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-645-865-14

Query Match 80.3%; Score 1396.6; DB 1; Length 3955;
Beeb Local Similarity 87.7%; Pred. No. 0;
Matches 1525; Conservative 0; Mismatches 214; Indels 0; Gaps 0;

Qy 1 AAGCGACGCGACGAGAGATCCGGAAGTACACGATGCGGAGACTGTGACGGAAGACGAG 60
Db 2057 AAGCGAGAGACAGAGAAATCCGGAAGTATACGATGCGTGTGCTGTGACGGAAGACTGAG 2116
Qy 61 CTGTGTAGCCGCTGTGACCTTACGCGAGCGATGCCCAACAGCGCGACAGATGCGATCTGTG 120
Db 2117 TTAGGTGAGCCGCTGTGACCCCGAGCGGAAGATGCCCAACAGCGCGACAGATGCGATCTGTG 2176
Qy 121 AAGAGAGAGAGCTGAGAGAGTGAAGTGTCTGTGATCTGGCGCTTTTGGCAGCACTCTAC 180
Db 2177 AAGAGAGAGAGCTGAGAGAGTGAAGTGTCTGTGATCTGGCGCTTTTGGCAGCTGTCTAC 2236

Qy 181 AAGGCATCTGTGATCTCTGATGGGAGATGTGAAAATTCCATGCGCATCAAACTGTTG 240
Db 2237 AAGGGCATCTGTGATCTCTGATGGGAGATGTGAAAATCCCGTGTCTATCAAGGTGTTG 2296
Qy 241 AAGGAAAACATATCCCGAAAGCCCAAGAAATCTTAGACGAGATAGCTGTGCT 300
Db 2297 AAGGAAAACATATCTCTTAAGCCCAAGAAATCTTAGATGAAGAGCTATGTGTGCT 2356
Qy 301 GGTGTGGGCTCCCATATGTCTCCCGCTTGTGGGATCTGCGTACATCCAGCTGAG 360
Db 2357 GGTGTGGGCTTCTCGTATGTGTCCCGCTTGTGGGATCTGCGTACATCCAGCTGAG 2416
Qy 361 CTGTGACACAGCTTATGCTGTGCTCTTGAACATGTGCGGAAAACCGCGGA 420
Db 2417 CTGTGACACAGCTTATGCTGTGCTCTTGAACATGTGCGGAAAACCGAGGT 2476
Qy 421 GCGCTGGGCTCCAGAGACCTGTGAACTGTGTATGCAATTTGCCAAGGGATGAGCTAC 480
Db 2477 GCGCTAGGCTCCAGAGACCTGTCAACTGTGTGTTCAGATTGCGAAGGGATGAGCTAC 2536
Qy 481 CTGAGAGATGTGCGGCTGTGACACAGGAGCTTGGCGGTAAGTCTGCTCAAGAGT 540
Db 2537 CTGAGAGATGTGCGGCTGTGACACAGGAGCTTGGCGGTAAGTCTGCTCAAGAGT 2596
Qy 541 CCAACCATGTCAAAATTAACAGACTTGGGCTGCTGCGCTGTGACATGACAGACA 600
Db 2597 CCAACCATGTCAAAATTAACAGATTTGGGGCTGGCTGCGCTGTGACATGATGACACA 2656
Qy 601 GAGTACCATGCAATGGGGGCAAGTGGCCATCAAGTGAATGGCGCTGAGTCCATTCTC 660
Db 2657 GAGTACCATGCAATGGGGGCAAGTGGCCATCAAGTGAATGGCAATGGAATCTATTCTC 2716
Qy 661 GCGCGGGGCTTACCCACAGAGATGTGTGAGTTATGATGATCTGTGGGAGCTG 720
Db 2717 AGAGCGCGCTTACCCACAGAGATGTGTGAGTTATGATGATCTGTGGGAGCTG 2776
Qy 721 ATGACTTTTGGGGCCAAACCTTAACAGATGGATGCCAGCCGAGAGATCCCTGACTGCTG 780
Db 2777 ATGACTTTTGGGGCCAAACCTTAACAGATGGATGCCAGCCGAGAGATCCCTGACTGCTG 2836
Qy 781 GAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGACACATTGATGTCTTACATGATCATG 840
Db 2837 GAGAGGGGAGAACCTTACCTCAGCTTCAATCTGCAATCTGATGTCTTACATGATCATG 2896
Qy 841 GTCAAAATGTGAGATGATGATCTGCAATGTGCGCAAGATTCGCGGAGTGTGTCTAA 900
Db 2897 GTCAAAATGTGAGATGATGATCTGCAATGTGCGCAAGATTCGCGGAGTGTGTCTAA 2956
Qy 901 TTCTCCGATGAGCAAGGAGACCCCGAGCGCTTGTGTGATCTCAAGATGAGAGACTTGGGC 960
Db 2957 TTTTCACTGATGAGGAGGAGACCCCGAGCGCTTGTGTGATCTCAAGATGAGAGACTTGGGC 3016
Qy 961 CCAAGCACTGCTTGTGACAGCACTTCTACCGCTCATCTGTGAGAGAGAGATGACATGCGGG 1020
Db 3017 CCATTCAGCCCCATGAGACAGTACCTTCTACCGTTCATCTGTGAGAGATGACATGCGGT 3076
Qy 1021 GACCTGTGTGATGCTGAGAGATCTGTATCCCGAGAGCGGCTTCTGTGCGAGACCT 1080
Db 3077 GACCTGTGTGATGCTGAGAGATCTGTATCCCGAGAGCGGATCTTCTGTGCGAGACCT 3136
Qy 1081 GCGCCGCGGCTGTGGGGGATGATGTCACCAAGGACCGCACTGTCTCAACAGAGAGTGGC 1140
Db 3137 ACCCAAGGACATGGGAGACAGGCCATTAAGAGGACCGCACTGTCTCAACAGAGAGTGG 3196
Qy 1141 GGTGGGAGCTTGAACATGAGGCTGAGACCTTCTGAAGAGAGGCCCCAGGATCTTCCACTG 1200
Db 3197 GGTGGGAGCTTGAACATGAGGCTGAGACCTTCTGAAGAGAGGCCCCAGGATCTTCCACTG 3256
Qy 1201 GCACCTTCCGAGAGGGGCTGTGCTCCGATGTATTTATGTGTGACCTTGGGAAATGGGGGACCC 1260
Db 3257 GCTCTCTTGGAGAGGGGCTGTGCTCCGATGTATTTATGTGTGACCTTGGGAAATGGGGGTAAC 3316
Qy 1261 AAGGGGCTGCAAAAGCTTCCCAACATGACCCAGCCCTTCAAGCGGTACATGAGAGAC 1320

| | | | |
|----|------|---|------|
| Db | 3317 | AAAGGGCTGCAGAGGCTCTCTCCACATCACTCAGGCTCTTACAGCGGTAACAGAGGAC | 3378 |
| QY | 1321 | CCCAAGTACCCCTGCCTCTTGAGCTGATGACTACGTTGCCCTCCCTGACCTGCAGGCC | 1380 |
| Db | 3377 | CCCACTTACCTCTGCCCCCGAGACTGATGGCTATGTTGCTCCCTGGCTGCAGGCC | 3436 |
| QY | 1381 | CAGCCTGAAATGTGAACCAAGCAGATGTTGGGCCAGGCCCTTCCGCCCGAGAGGGC | 1440 |
| Db | 3437 | CAGCCCGAGTGTGAACCAATCAGAGGTTACGCTCAGCCTCCTTTAAACCCAGAGGGT | 3498 |
| QY | 1441 | CCTTCGCTGCTGCCGACCTGCTGCTGCTGCCACTCTGGAAGAAGCCCAAGCTCTGCCCA | 1500 |
| Db | 3497 | CCTTCGCTCTCTGCTCCGGCTGCTGCTGCTACTTGAAGAAACCCMAAGCTCTCTTCT | 3556 |
| QY | 1501 | GGGAAGAAATGGGGTTCGTCAAGAAGTTTGTGCTTTGGGGGCGCTGAGAGAACCCGAG | 1560 |
| Db | 3557 | GGGAAGAAATGGGGTTCGTCAAGAAGCTTTTGTGCTTTGGGGGCTGCTGAGAGAACCTTAA | 3618 |
| QY | 1561 | TACTTGAACCCCAAGGAGAGAGCTGCCCTCAGGCCCAACCTCTCTCTGCTTCAAGCCA | 1620 |
| Db | 3617 | TACTTGAACCGAAGAGAGGACCTGCTCTCGGCCCAACCTTCTCTCTGCTTCAAGCCA | 3678 |
| QY | 1621 | GCCTTGCAGAACCTCTATTACTGGGACCAAGACCAACCAAGAGCGGGGGCTTCAACCAAGC | 1680 |
| Db | 3677 | GCCTTGCAGAACCTCTATTACTGGGACCAAGACCTATCGAGAGAGGGGCTTCAACCAAGT | 3738 |
| QY | 1681 | ACCTTCAAGGAGACCTTACGGCAGAGAACCCAGATGACTCGGGTCTTGAAGTGGCACT | 1739 |
| Db | 3737 | AACCTTGAAGGAGACCCCACTGCAGAGAACCTTGATGCTAAGGCTTGAATGTACCTGT | 3795 |

RESULT 16
US-09-715-249-1
: Sequence 1 Application IRS/090715249

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: Sequence 1, Application US/09715249
: Patent No. 6790614
: GENERAL INFORMATION:
: APPLICANT: NOVARTIS AG
: APPLICANT: VERES, GABOR
: APPLICANT: PIPEIG, SUSANNE
: TITLE OF INVENTION: selectable cell surface marker genes
: FILE REFERENCE: 4-31192
: CURRENT APPLICATION NUMBER: US/09/715,249
: CURRENT FILING DATE: 2000-11-17
: PRIOR APPLICATION NUMBER: us 60/166594
: PRIOR FILING DATE: 1999-11-19
: PRIOR APPLICATION NUMBER: us 09/539248
: PRIOR FILING DATE: 2000-03-30
: NUMBER OF SEQ ID NOS: 16
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 1
: LENGTH: 3633
: TYPE: DNA
: ORGANISM: EGFR
: US-09-715-249-1

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| | | | | |
|-----------------------|-----------------|---------------------|-----------|--------------|
| Query Match | 35.2%; | Score 612.2; | DB 4; | Length 3633; |
| Best Local Similarity | 73.8%; | Pred. No. 1.1e-150; | | |
| Matches 792; | Conservative 0; | Mismatches 278; | Indels 3; | Gaps 1; |

| | | | |
|----|------|---|------|
| Qy | 1 | AAGGACGGGACGACAAATATCCGGAAGTACACGATGGGAGCTGCTCAGGAAACGAG | 60 |
| Db | 2002 | ATGCCAAAGCCGACATGTTTCGGAAGGACGCTGCGAGGCTCTGCAGAGAGGGAG | 2061 |
| Qy | 61 | CTGTGTGAGCGCGCTGACACTTAGCGGAGGATGCCCAACGAGGCCAGATGGGATCTTG | 120 |
| Db | 2062 | CTTGTGGAGCCTCTTACACCCAGTGGAGAGCTCCCAACCAAGCTCTCTTGAGATCTTG | 2122 |
| Qy | 121 | AAAGAGACGAGCTGAGGAAGGTGAAGTCTTGGATCTGGCGCTTTTGGCAACAGTCAAC | 180 |
| Db | 2122 | AAGGAAATCGAATTAATAAAGATCAAAAGTCTGGGCTCCGGTGCCTTGGGACAGGTGAT | 2188 |
| Qy | 181 | AAGGCAATCTGGATCCCTGATGGGAGATGTGAATAATTCAGTGGCCATCAAGTGTG | 240 |

| | | | | |
|----|------|---|--|------|
| Db | 2182 | AAGGAGCTCTGGATCCAGAAAGGTGAGAAAGTTAAATTC | CGGTCCGTATCCAAAGAAATTA | 2241 |
| Oy | 241 | AGGAAAAACATTC | CCCCAAGCCACAAAGAAATCTTAGACGAGAGCATCGTGATGGCT | 300 |
| Db | 2242 | AGAGAAACAACATCTCCGAAAGCCACAAAGAAATCCTCGATAGAGCTTCGATATGGCC | | 2301 |
| Oy | 301 | GGTGTGGGCTCCCCATATGTCTCCCGCTCTCTGGGACATCTGGCCGTACATCCAGGTGACG | | 360 |
| Db | 2302 | AGCGTGGACAAACCCCAAGTGTGCGCTGTCTGGGACATCTGGCTCACCTCCACCTCCAGTGTGCAA | | 2361 |
| Oy | 361 | CTGGTGCACAGAGCTTATGCTTATAGCTGTGCTCTGTAGACCATGTCCGGGAAAAACCGCGGA | | 420 |
| Db | 2362 | CTCATTCACGACGTCAATGAGCCCTTCGCGTGTGCTCTCTGTGACATATGTCCGGGAAACAAAGAAC | | 2421 |
| Oy | 421 | CGCCTGGGCTCCCAAGACCTGTGAACTGATGTATGCATATTCGCAAGGGATGAGCTTAC | | 480 |
| Db | 2422 | AATATGTGGCTCCCAAGTACTGTCTCACTGTGTGTGTGCATGCTCCAAAGGCGCATGAATCAC | | 2481 |
| Oy | 481 | CTGAGAGATGTGGCGCTCTGTACACAGGAACTTGGCCGCTGGGAAACGCTGTGTCAAGAT | | 540 |
| Db | 2482 | TTGGAGGACCGTGTGCTTGTGTGCACCGGACCTGTGCACGCAAGAACGTATGTGTGAATAACA | | 2541 |
| Oy | 541 | CCCAACCATGTGCAAAATTAACAGACTTTCGGGCTGTGCTGTGCTGTGACATTTGAACGAGACA | | 600 |
| Db | 2542 | CCGAGACATGTCAAGATCAACGATTTTGGGCTGTGGCCAAATCTGCTGGTGTGGGAAAGAGAA | | 2601 |
| Oy | 601 | GAGTACCATGCAAGTGGGGCCAAAGGTGCCATCAAGTGATGTGGCGCTGTGAGTCCATTCTC | | 660 |
| Db | 2602 | GAATACCATGCAGAGAGGAGGCAAAAGTCTCTATCAAGTGAATGTGCATTGGAATCAATTTTA | | 2661 |
| Oy | 661 | CGCGGGGGGTTCACCCCAACGAGAGATGTGTGAGATTAATGTGTGACTGTGTGGGAGCTG | | 720 |
| Db | 2662 | CACGAAATCTATACCCCAACGAGATGATCTGTGAGCTACGAGGAGACGTTTGGAGATTG | | 2721 |
| Oy | 721 | ATGACTTTTGGGGCCAAACCTTATACGATGGGATCCCAAGCCCGGAGATCCCTGTGACTGTG | | 780 |
| Db | 2722 | ATGACCTTTTGGATCCAAAGCCATATGACGGAATCCCTGTCCACGAGATCTCTCATCTCTG | | 2781 |
| Oy | 781 | GAAGAGGGGAGCGGCTGCCCAAGCCCCCATCTGCACCATTTGATGTCTACATGATCATG | | 840 |
| Db | 2782 | GAGAAAGAGAACCGCTCCCTCCAGCCCAACCAATATGTACATGATGTCTACATGATCATG | | 2841 |
| Oy | 841 | GTCAAAATGTTGANTGATTTGACTCTGTAATGTGCGCAAGATTTCCGGGAGTGTGTGTGAA | | 900 |
| Db | 2842 | GTCAAGTGTGTGATGATGACGACGATATGTGCCCCAAAGTTTCGTGTGATTGATCATGAA | | 2901 |
| Oy | 901 | TTCTCCCGCATGTGCGACAGGACCCCAAGCGCTTTGTGTGATCCA--GAATGAGACTTG | | 957 |
| Db | 2902 | TTCTCCAAATATGGCCGAGACCCCAAGCGCTACTCTGTATTTCAAGGGGANTGAAGAAATG | | 2961 |
| Oy | 958 | GGCCCAAGCAAGTCCCTTTGACAGACACTTTACCGCTCACTGCTGTGAGACGATGACATG | | 1017 |
| Db | 2962 | CATTTCGAAGTCTTACAGACTCCAACTTCAACGTGCTCCCTGATGTGATGAAGAACATG | | 3021 |
| Oy | 1018 | GGGAGACTGTGTGATGTCTGAGAGATATCTGTATCCCAAGAGGGCTTCTTCTG | | 1070 |
| Db | 3022 | GACGACGTGTGTGATGTCCGACGATACCTATCCCAAGAGAGGGCTTCTTCTG | | 3074 |

RESULT 17
US-08-475-035-3

; Sequence 3, Application US/08475035
; Patent No. 5985553

GENERAL INFORMATION:
APPLICANT: KING,

APPLICANT: KRAUS, MATTHIAS H.
APPLICANT: AARONSON, STUART A

TITLE OF INVENTION: HUMAN GENE RELATED TO BUT DISTINCT FROM
EGF RECEPTOR GENE

NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS: ;

ADDRESSEE: NEEDLE & ROSENBERG, P.C.

STREET: Suite 1200, 127 Peachtree Street
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,035
FILING DATE: 7 Jun 1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Perryman, David G.
REGISTRATION NUMBER: 33,438
REFERENCE/DOCKET NUMBER: 1414.656
TELEPHONE: 404/688-0770
TELEFAX: 404/688-9880
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 5532 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 187..3816
US-08-475-035-3

Query Match 35.2%; Score 612.2; DB 2; Length 5532;
Best Local Similarity 73.8%; Pred. No. 1.3e-150;
Matches 792; Conservative 0; Mismatches 278; Indels 3; Gaps 1;

1 AAGCGACGCGAGCAGAGATCCGGAAGTACACGATGCGGAGACTGTCAGAGAAACGAG 60
2188 ATGCGAAGCGCGACATCGTTCGGAAGCGACGTCGCGAGGCTGTCGAGAGAGGAG 2247
61 CTGTGAGAGCGCGTGAACCTTAGCGAGGATGCCAACGAGCGGACAGTGGATCTTG 120
2248 CTGTGAGAGCGCTTACACCCAGTGAAGAGCTCCCAACAGCTCTTGTGAGATCTTG 2307
121 AAGAGAGAGAGCTGAGAGAGTGAAGGCTTGTGATCTGCGGCTTTTGGACAGTCTAC 180
2308 AAGGAATCTGAATTTAAAGATCAAAGTCTGGGCTCCGCTGCGGACGAGTGTAT 2367
181 AAGGCATCTGGATCCCTGATGAGGAGATGAAATTTCCAGTGGCATCAAGTGTG 240
2368 AAGGACTCTGATCCGAGAGAGTGAAGATTAATTTCCGCTGCTATCAAGATTA 2427
241 AAGGAAAACATCCCAAGAACCAAGAAATCTTAGAGAGAGATGCTGTGCT 300
2428 AAGAGAGCAATCTCCGAAAGCAACAGAAATCTGATGAAGCTTACGTGTGCGC 2487
301 GGTGGGCTCCCATATGCTCCGCTCTGCGGATCTGCTGACATCCAGCGGTGAG 360
2488 AGCGTGACAAACCCGAGGTGCGCTGCGGATCTGCTACCTCCACCGTGA 2547
361 CTGTGACAGAGCTTATGCTGATGCTGCTGCTTGAAGCAATGTCGAGAAACGCGGA 420
2548 CTGATCAAGAGCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2607
421 CGCTGAGCTCCAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
2608 AATATGCTCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2667
481 CTGAGAGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
2668 TTGGAGAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2727

541 CCCAACATGTCAAATTTACAGACTTGGGCTGGCTGCTGCTGCTGCTGCTGCTGCTG 600
2728 CCGCAGATGTCAAAGATACAGATTTTGGCTGGCCAAATGCTGGTGGAGAGAA 2787
601 GAGTACCATGAGATGGGGGAGGAGTGGCTTCAAGTGAATGGGCTGAGTCCATCTTC 660
2788 GAATACCATGAGAGAGAGAGAGTGGCTTCAAGTGAATGGGCTGAGTCCATTTTA 2847
661 CGCCGCGGTTTACCCACAGAGATGCTGAGTGAATGCTGAGTGAATGCTGAGAGCTG 720
2848 CACAGATCTATACCCACAGAGATGCTGAGTGAATGCTGAGTGAATGCTGAGAGCTG 2907
721 ATGACTTTGGGCGCAAACTTACAGAGATGCCAGCGGAGATCCCTGACTGCTG 780
2908 ATGACTTTGGATCCAGCCATATGACCGAATCCCTGACAGATCTCTCCATCTCTG 2967
781 GAAAAGGAGAGCGGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 840
2968 GAGAAAGAGAGAGCGGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 3027
841 GTCAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900
3028 GTCAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 3087
901 TTCTCCGATGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 957
958 GCGCCAGCAATCTCTTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1017
3148 CATTTGCCAAGTCTTACAGAGTCTTACAGAGTCTTACAGAGTCTTACAGAGTCT 3207
1018 GAGGACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1070
3208 GACGACGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 3260

RESULT 18
US-09-676-610B-17
Sequence 17, Application US/09676610B
Patent No. 6444465
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Jacqueline Wyatt
APPLICANT: Susan M. Preler
TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITION OF HBR-1 EXPRESSION
FILE REFERENCE: R75-0138
CURRENT APPLICATION NUMBER: US/09/676,610B
CURRENT FILING DATE: 2000-09-29
NUMBER OF SEQ ID NOS: 182
SEQ ID NO 17
LENGTH: 5532
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (187)....(3819)
US-09-676-610B-17

Query Match 35.2%; Score 612.2; DB 4; Length 5532;
Best Local Similarity 73.8%; Pred. No. 1.3e-150;
Matches 792; Conservative 0; Mismatches 278; Indels 3; Gaps 1;

1 AAGGACGCGAGCAGAGATCCGGAAGTACACGATGCGGAGACTGTCAGAGAAACGAG 60
2188 ATGCGAAGCGCGACATCGTTCGGAAGCGACGTCGCGAGGCTGTCGAGAGAGGAG 2247
61 CTGTGAGAGCGCGTGAACCTTAGCGAGGATGCCAACGAGCGGACAGATGGATCTTG 120
2248 CTGTGAGAGCGCTTACACCCAGTGAAGAGCTCCCAACAGCTCTTGTGAGATCTTG 2307
121 AAGAGAGAGCTGAGAGAGTGAAGGCTTGTGATCTGCGCTTTTGGACAGTCTAC 180

Db 2308 AAGAAATCTGATTCAGAAAGATCAAGTGTGGGCTCCGGTGGCTTCGGCAGCGTGTAT 2367
Qy 181 AAGGCATCTGATCCCTGATGGGAGATGTGAAAAATCCAGTGGCCATCAAGTGTG 240
Db 2368 AAGGACTCTGATCCGAGAGAGTAAAGTTAAATTCCTCGCTGCTATCAAGAAATTA 2427
Qy 241 AAGGAAACACATCTCCCAAAAGCCAAAGAAATCTTAAAGCAAGCATACGTATGGCT 300
Db 2428 AGAAGAACCAATCTCCGAAAGCCAAAGAAATCTCGATGAAAGCTACGTATGGCC 2487
Qy 301 GGTGTGGGCTCCCATATGTCTCCGCTTCTGGGCAATCTGCAATCCAGAGTGGAG 360
Db 2488 AGCGTGAACAACCCCAAGTGTGCTGCTGCGCATCTGCTCACTCCACGCTGCA 2547
Qy 361 CTGTGACACAGCTTATGCTTATGCTGCTGCTTAAAGCAATGTCGGGAAACCGCGGA 420
Db 2548 CTATCAACGACGCTCATGCTTGGGCTGCTCTGAGCTATGTCGGGAAACAGAAAGAC 2607
Qy 421 CGCTGGGCTCCCAAGACCTGCTGAATGTGTATGCAATGTCCAAAGGAGTGAAGTAC 480
Db 2608 AATATGTGCTCCAGTACCTGCTCACTGCTGTGTGAGATCGCAAGGCGATGAAGTAC 2667
Qy 481 CTGAGAGATGCGGCTCTGACACAGGAGCTTGGCCCTCGGAAAGCTGCTGTAAGT 540
Db 2668 TTGAGAGACCGTCCCTGTGTGACCGGACCTGGAGCGCAAGAAAGTATGTGTAACA 2727
Qy 541 CCCAACCATGTCAAAATTAACAGCTTGGGCTGGCTGGCTGCTGCTGAATTAAGAGACA 600
Db 2728 CCGAGAGATGTCAGATTCAGATTTTGGGCTGGCCAAAGCTGCTGGGCGGAAAGAAA 2787
Qy 601 GAGTACCATGCAATGGGGGCAAGGTGCCATCAAGTGAATGGCGCTGGAAGTCCATTCTC 660
Db 2788 GAATACCATGCAAGAGAGGCAAGGTGCTATCAAGTGAATGGAGATGAATCAATTTTA 2847
Qy 661 CGCGCGGGCTTCAACCCACAGAGATGTGAGGTTATGCTGTGACGTGTGGAGAGCTG 720
Db 2848 CACAGAACTATATACCCACAGAGATGTGTGAGCTACGGGAGTGAACGTTTGGAGTTG 2907
Qy 721 ATGACTTTTGGGGCCAAACCTTACAGATGGATCCAGCCCGGAGATCCCTGAAGCTGTG 780
Db 2908 ATGACTTTTGGATCCAGGCCATATGACGGATTCCTGCGACAGATCTCTCATCTGTG 2967
Qy 781 GAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGACACATTTGATGTCTACATGATCATG 840
Db 2968 GAGAAAGGAGAACCTCTCCCTCCAGCCACCATATGATGATGATGATGATGATGATG 3027
Qy 841 GTCAATGTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900
Db 3028 GTCAAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3087
Qy 901 TTCTCCGCGATGCGCAAGGAGCCCGCAGCGCTTTGTGATCAACA---GAATGAGGACTTG 957
Db 3088 TTCTCCAAATGCGCCGAGAGCCCGCAGCGCTACCTTGATCACTTCAAGGGGAGTGAAGAATG 3147
Qy 958 GGGCCAGCGAGTCCCTTGGAGACAGCACTTGTACCGCTCACTGCTGAGAGACGATGACATG 1017
Db 3148 CATTTGCGAAGTCTCTACAGACTCCAACTTACCGTCCGATGAGTGAAGAAGACATG 3207
Qy 1018 GGGAGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1070
Db 3208 GACGACGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3260

RESULT 19
US-08-456-647B-3

; Sequence 3, Application US/08456647B
; Patent No. 581516
; GENERAL INFORMATION:
; APPLICANT: Lemke Ph.D. et al., Greg E.
; TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.

STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/456,647B
FILING DATE: 02-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/237,401
FILING DATE: 02-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/884,486
FILING DATE: 15-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Weherell Ph.D., John R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: 07251/007002
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2437 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
IMMEDIATE SOURCE:
CLONE: Tyro-2
FEATURE:
NAME/KEY: CDS
LOCATION: 3..2118
US-08-456-647B-3

Query Match 28.5%; Score 495.6; DB 1; Length 2437;
Best Local Similarity 67.8%; Pred. No. 3; 7e-120;
Matches 709; Conservative 0; Mismatches 334; Indels 3; Gaps 1;
Qy 14 AGAAGATCCGGAAGTACACGATGCGAGACTGTGACGAAACGAGCTGTGGAGCGC 73
Db 274 AGAGCATCAAAAAGAAACGCTTTGAGAGATTCCTGAGAGACAGAGCTGGTAGGCCCT 333
Qy 74 TGACACCTAGCGGAGCGATGCCCAACGAGCGACATGCGATCTGAAAGAGCGAGC 133
Db 334 TAACTCCAGTGGCAGCGCACCCCAATCAACTCAATTTTGAAGGAAACCGAAC 393
Qy 134 TGAGAGAGTGAAGTCTTGATCTGCGCTTTTGGCAAGCTCAAGGGCATCTGGA 193
Db 394 TAAAGAGGTAAAGTCTTGCGCTCGGAGCTTTTGAACCGTTTAAAGATATTTGGG 453
Qy 194 TCCCTGATGGGAGAAATGTGAATAATTCAGTGGCCATCAAGTGTGAGGGAACAACAT 253
Db 454 TGCTGAAGTGAACAAGTGAATAATCCGTGTGCTATTAAGATCTCAATGAACAACATG 513
Qy 254 CCCCAGGCAACCAAGAAATTTAGACGAAGCATACGTAGTGGCTGTGTGGCTCC 313
Db 514 GCCCAAGCAACAGTGAAGTTCATGATGAGGCTGTGATCATGCAAGTATGATGACC 573
Qy 314 CATATGTCTCCGCTTCTGTGGCATCTGCTGACATCAAGGTGACAGTGTGACAGC 373
Db 574 CACACCTAGTTCGCTTATGGAAGTGTGTGATCTCCACTATCAATGTGTTAGCGAGC 633
Qy 374 TTATGACCTATGCTGCTCTTGAACCATGTCGGGAAACCGGAGACGCTGTGGCTCC 433
Db 634 TGATCCGCAATGCTGTGCTTACTGACATATGTTTCAAGAACAGAGATTAACATTGGATCAC 693

| | | | |
|----|------|--|------|
| Oy | 434 | AGGACCTGCTGAACTGGGTGATGTGACGATTTGGCAAGGGAGATGACCTGAGAGATGTGC | 493 |
| Db | 694 | AGCTGCTGTTGAATCTGTGTGTCCAGATTGCTTGAAGGAATGATGTAACCTTAAGAAAGAAC | 753 |
| Oy | 494 | GGCTGTGACACAGGACCTTGGCCGCTGGAAGTGTCTGACAGTCCCAACATGTCA | 553 |
| Db | 754 | GGCTTGTTCATCGGGATCTGGCAGCCCGCAATGTCTTAGTGAAATCTCCAATCATGTTA | 813 |
| Oy | 554 | AAATTACGACTTGGGCGTGGCTCGGCTGTGACATTGACGAGCAAGATGCCATGAG | 613 |
| Db | 814 | AAATTCACGATTTTGGACTGGCCCGCTCTTGGAAAGGAGATGAAAMAATAACATGCTG | 873 |
| Oy | 614 | ATGGGGGCAAGTGCCCATCAAGTGGATGGCGCTGAGTCCATTTCCGCGCGGCTTCA | 673 |
| Db | 874 | ATGTGTGGCAAGTGTCCATTAAATGATGTGCTTGAAATGTAATACATTATAGAAATTCA | 933 |
| Oy | 674 | CCCAACGAGTGTGTGTGAGATTATGTGTGACTGTGTGGAGCTGTATGACTTTTGGGC | 733 |
| Db | 934 | CACATCAAAAGTATGTTTGGAGCTATGGCGTCACTATATGGGAATGATGACCTTTGGAG | 993 |
| Oy | 734 | CCAAACCTTACGATGGGATTCAGAGCCGGGAGATTCCTGACCTGTGTGAAAAGGGGAGC | 793 |
| Db | 994 | GAAAGCCCTTATGATGGAATTCACACCCAGAAATCCCGATTATCTGAGAAAGAGAGAGC | 1053 |
| Oy | 794 | GGCTGGCCACGCCCCCATCTGCAACATTGATGTCTACATGATCATATGATCAAAATTTGGA | 853 |
| Db | 1054 | GTCGTCTCAGCCTTCCATCTGCACTATTGATGATTAACTGATGAGTCAATGATTTGGA | 1113 |
| Oy | 854 | TGATTTGACTTGAAATGTGTGGCCCAAGATTCCGGGAGTTGGTGTCTGAATTTCTCCGATGG | 913 |
| Db | 1114 | TGATGTAGTCTGACACGACGACTTAATTCAAAGAACTGGCTGTGAGTTTTCAGAAATGG | 1173 |
| Oy | 914 | CCAGGGACCCCGACGCGCTTTGTGTCTATCTCAAGATGAGA--CTTGGGCCAGCCAGTC | 970 |
| Db | 1174 | CTAAGAGCCCTCAAAAGATCACTAGTATTCAAGGTGATGATGATGAAAGCTTCCCACTG | 1233 |
| Oy | 971 | CCTTGGACAGACCTTCTACCGCTCACTGTGAGAGAGATGACATGGGGGACCTGGTGG | 1030 |
| Db | 1234 | CAAAATGACAGCAAAATCTTCCAGAAATCTTGGATGAAGAGATTGGAAAGCATGATGG | 1293 |
| Oy | 1031 | ATGCTGAGAGATATCTGTATCCCGCAG | 1056 |
| Db | 1294 | ATGCTGAGGAATTTGGTCCCCCAG | 1319 |

RESULT 20
 US-08-237-401A-3
 : Sequence 3, Application US/08237401A
 : Patent No. 5837448
 : GENERAL INFORMATION:
 : APPLICANT: Lemke Ph.D. et al., Greg E.
 : TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES
 : NUMBER OF SEQUENCES: 54
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: Fish & Richardson P.C.
 : STREET: 4225 Executive Square, Suite 1400
 : CITY: La Jolla
 : STATE: CA
 : COUNTRY: US
 : ZIP: 92037
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: PatentIn Release #1.0, Version #1.25
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/237,401A
 : FILING DATE: 02-MAY-1994
 : CLASSIFICATION: 435
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: US 07/884,486
 : FILING DATE: 15-MAY-1992
 : ATTORNEY/AGENT INFORMATION:
 :

| Query | Match | 28.5%; | Score 495.6; | DB 2; | Length 2437; |
|---------------------------------------|---|--------------|---------------------|-----------------|------------------|
| Query | Beet Local Similarity | 67.8%; | Pred. No. 3.7e-120; | | |
| Matches | 709; | Conservative | 0; | Mismatches 334; | Indels 3; Gaps 1 |
| NAME: Haile Ph.D., Lisa A. | | | | | |
| REGISTRATION NUMBER: 38.347 | | | | | |
| REFERENCE/DOCKET NUMBER: 07251/007001 | | | | | |
| TELECOMMUNICATION INFORMATION: | | | | | |
| TELEPHONE: (619) 678-5070 | | | | | |
| TELEFAX: (619) 678-5099 | | | | | |
| INFORMATION FOR SEQ ID NO: 3: | | | | | |
| SEQUENCE CHARACTERISTICS: | | | | | |
| LENGTH: 2437 base pairs | | | | | |
| TYPE: nucleic acid | | | | | |
| STRANDEDNESS: single | | | | | |
| TOPOLOGY: linear | | | | | |
| MOLECULE TYPE: DNA | | | | | |
| IMMEDIATE SOURCE: | | | | | |
| CLONE: Tyro-2 | | | | | |
| FEATURE: | | | | | |
| NAME/KEY: CDS | | | | | |
| LOCATION: 3..2118 | | | | | |
| US-08-237-401A-3 | | | | | |
| 14 | AGAGAGTCCGGAGGTACAGATGCGGAGCTGCTGCACAGAAACGAGGTGTGAGCGCG | 73 | | | |
| 274 | AGAGCATCAAAAGAAAGAACTGCTTTGAGAGATTCCTGAGACAGAGCTGTAGAGCCCT | 3333 | | | |
| 74 | TGACACCTAGCGGAGCGATGCCCAACGAGCGCAGATGCGGATCCTGAAGAGACGAGC | 1333 | | | |
| 334 | TAACTCCAGTGGCAGCGCACCCCAATCAAGCTCAACTTCGATTTTGAAGGAAACGAGC | 3933 | | | |
| 134 | TGAGGAGGTGAAGGTGCTTGGATCTGGCGCTTTTGGCAGCTACAGGGCATCTGGA | 1933 | | | |
| 394 | TAAAGGGGTAAAGGCTCTTGCTGCGGAGCTTTTGGAAACGTTTAAAGTATTGCGG | 4533 | | | |
| 194 | TCCCTATGGGGAGATGTGAATAATTCAGATGGCCATCAAGTGTGAGGAAACAAT | 2533 | | | |
| 454 | TGCTTAAGGTGAACAGTGAATAATCCCTGAGCTATTAAGATCCTCAATGAACAATCTG | 5133 | | | |
| 254 | CCCCCAAGCAACAAAGAAATCTTAGACGAGCATACGATGAGTGTGTGGCTCCC | 3133 | | | |
| 514 | GCCCCAAGCAACGAGGATTCATGATGAGAGGCTGATCATGGCAAGTATGGATCACC | 5733 | | | |
| 314 | CATATGTCTCCGCTTCTTGGGCATCTGCTGACATCCAGGTGCAAGTGTGACACAGC | 3733 | | | |
| 574 | CACACCTAGTGGCTTATGAGGAGTGTCTGAGTCCACATACAGTGTGTTACGAGC | 6333 | | | |
| 374 | TATATGCCATAGTGGCTCTTGAACATATGTCGGGAAACCGGGAGCGCTGGGCTCCC | 4333 | | | |
| 634 | TGATGGCGAGTGGGCTCCTACGTGACTATGTTCAATGAACAAGAGATTAACATGGATCAC | 6933 | | | |
| 434 | AGGACCTGCTGAATCTGTATGACAGATTTGCAAGAGGAGTAGCTACCTGGAGGATGTC | 4933 | | | |
| 694 | AGCTGCTTTGAATGTGTGTGCTGCAGATTTGCTAAGAGAAATATGTACTAGAAAGAAC | 7533 | | | |
| 754 | GCGTGTTCATCGGAGATCTGGCAGACCCCGCAATGTCTTAGTAAATCTCCAAATCATGTTA | 8133 | | | |
| 554 | AAATTAACAGCTTCGGGCTGCTGCGCTGCTGAGCATTTGAAGAGACAGATACCATTCAG | 6133 | | | |
| 814 | AAATCAACAGTTTTTGGACTGGGCCGCTCTTGGAAAGAGATGAAGAAAGAAATCAATCTG | 8733 | | | |
| 614 | ATGAGGAGCAAGGAGCCATCAAGTGGATGAGCGCTGAGTCCATTTCTCGCGCGGCGTTCA | 6733 | | | |
| 874 | ATGATGGCAAGATGCCAATTAATGATGATGCTTGGAAATGTATACATTTATAGGAATTTCA | 9333 | | | |
| 674 | CCGACCAAGTGTATGTGTGAGTATATGATGCTGTGTGAGGAGCTGATGAATTTTGGGG | 7333 | | | |
| 934 | CACATCAAAAGTATGTTTGGACTATATGAGGTCACTATATGGAACATGATGACTTTTGGAG | 9933 | | | |
| 734 | CCAAACCTTACATGGAGATCCAGCCCGGAGATCTCCAGACTCTGTGAAAAGGGGAGC | 7933 | | | |

Db 994 GAAAGCCCTTATGGAATTCACCCGAGAAATCCCGATTTCGAGGAAAGAGGC 1053
Qy 794 GGCTGCCCAAGCCCCCATCTGCAACCATGATGTCATACATGATCATGTCATAATGTTGA 853
Db 1054 GTCTGCTCAAGCTCCCATCTGCACTATGATGTTTATCATGTCTCATGTTCAAAATGTTGA 1113
Qy 854 TGATGACTCTGAATGTCGCGCAAGATTCCGGAGTTGTGTCTGAATTTCTCCGCAATG 913
Db 1114 TGATGATGCTGACAGCAGACCTTAATTCAAAGAACTGGCTGCTGAGTTTCAAGAAATG 1173
Qy 914 CCAGGAGCCCCAGGCTTTGGTCATCCAGAAATGAGA---CTTGGGCCCAAGCCAGTC 970
Db 1174 CTAAGACCTCTCAAGATACCTAGTTATTCAGGCTGATGATGATGATGATGATGATGATG 1233
Qy 971 CCTTGAAGCAGCCTTCTACCGCTCACTGCTGAGAGAGATGATGATGATGATGATGATG 1030
Db 1234 CAATGACAGCAAAATTTCTTCCAGAAATCTCTTGATGAAAGAGATTGGAAGACATGATG 1293
Qy 1031 ATGCTGAGAGATATCTGTATCCAG 1056
Db 1294 ATGCTGAGAGATATTTGTTCCCCAG 1319

RESULT 21

US-09-632-580A-3
; Sequence 3, Application US/09632580A
; Patent No. 6255111
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF HER-4 EXPRESSION
; FILE REFERENCE: RTS-0054
; CURRENT APPLICATION NUMBER: US/09/632.580A
; CURRENT FILING DATE: 2000-07-31
; NUMBER OF SEQ ID NOS: 93
; SEQ ID NO 3
; LENGTH: 3484
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (34)...(3960)
US-09-632-580A-3

Query Match 28.2%; Score 491.2; DB 3; Length 5484;
Best Local Similarity 67.5%; Pred. No. 7.5e-119;
Matches 707; Conservative 0; Mismatches 338; Indels 3; Gaps 1;

Qy 12 GCAGAGATCCGGAAGTACAGATCGGAGACTGCTGCGAGAAACGAGCTGTGGAGCC 71
Db 2064 GAAAGAGATCAAAAAGAAAGAGCTTGAAGATTTCTTGGAAACAGAGTTGGTGAACC 2123
Qy 72 GCTGACACTTACGGGAGATGCCCAACGAGCCGACATGGGATCTCGAAGAGAGCGGA 131
Db 2124 ATTAATCTCCAGTGGCAAGACCAATCAAGCTCACTTGATTTTGAAGAAACGGA 2183
Qy 132 GCTGAGAGAGTGAAGTGTGGATCTGCGCTTTTGGACAGCTCTACAGAGGATCTG 191
Db 2184 GCTGAAGAGGTAAAGTCTTGGCTCAGGTCGCTTTTGAACGGTTTAAAGGATTTG 2243
Qy 192 GATCCCTGAGGGAGAAATGTAATTCAGTGGCCATCAAAAGTGTGAGGAGAAACAC 251
Db 2244 GGTACTGAGAGAAACTGTGAAGATTCGTGGCTATTAAAGTCTTAATGAGACAC 2303
Qy 252 ATCCCCCAAGCCCAAGAAATCTTAAGAGAGACATGATGCTGTGTGGGCTC 311
Db 2304 TGATCCCAAGGCAATGTGAGTTCAATGATGAAGCTTGAATGCAATGCAATGATCA 2363
Qy 312 CCCATATGTCCTCCGCTTCTGGGCTATGCTGATGATCCAGGGTGCAGTGTGACACA 371
Db 2364 TCCACACTAGTCCGGTGTCTGGGTGTGTCTGAGCCCAACATCCAGCTGTGTTACTCA 2423

Qy 372 GCTTATGCCCTATGAGCTGCTCTTAAGCATGTCGGGAAAAACCGCGAGCCCTGGGCTC 431
Db 2424 ACTTATGCCCATGAGCTGCTGTTGAGTATGTCACAGACACAAAGATATACATTTGATC 2483
Qy 432 CCAGAGCTGCTGAATCTGTATGATGATGATGATGATGATGATGATGATGATGATGATG 491
Db 2484 ACMACTGCTCTTACTGT 2543
Qy 492 GCGGCTGTACACAGGACTTGGCGCTGCGAACTGTGTGTGTGTGTGTGTGTGTGTGTGT 551
Db 2544 ACAGCTGCTCATGAGGATTTGGCAGCCCGTAATGTCTTGTGTGTGTGTGTGTGTGTGT 2603
Qy 552 CAAATTAACAGACTTGGGCTGGCTGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 611
Db 2604 GAAATACAGATTTTGGGCTGAGCAGACTCTTGAAGAGAGATGTAAGAGTCAATGC 2663
Qy 612 AGATGAGGAGAGAGTGGCCATCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 671
Db 2664 TGATGAGAGAGAGTGGCCATTAATGATGATGATGATGATGATGATGATGATGATGAT 2723
Qy 672 CACCCACAGAGT 731
Db 2724 CACCATCAGAGT 2783
Qy 732 GCGCAACCTTACAGTGGATCCAGCCCGGAGATCCCTGACTGCGAAAAAGGGGA 791
Db 2784 AGGAAAACTTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2843
Qy 792 GCGGCTGCCAGCCCCCATCTGCAACCATGATGATGATGATGATGATGATGATGATGATG 851
Db 2844 ACCTTGTCTGAGCTCTCCATCTGCACTTATGATGATGATGATGATGATGATGATGATG 2903
Qy 852 GATGATGATCTGAATGT 911
Db 2904 GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2963
Qy 912 GCGCAGGAGCCCCAGGCTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 968
Db 2964 GGTCTGAGACCTCAAGATACCTAATGATGATGATGATGATGATGATGATGATGATGAT 3023
Qy 969 TCCCTTGAAGAGACCTTCTACCGCTCAGCTGTGAGAGAGATGATGATGATGATGATG 1028
Db 3024 TCCAAATGACAGCAAGTTCTTTTCAAGATCTCTTGTGATGAAGAGATTTGGAAGATGAT 3083
Qy 1029 GATGCTGAGAGATCTGTATCCAG 1056
Db 3084 GATGCTGAGAGATCTGTATCCCTGAG 3111

RESULT 22

US-08-484-438-1
; Sequence 1, Application US/08484438
; Patent No. 5811098
; Patent No. 5811098 5780031
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, Gregory D.
; APPLICANT: CULOUSCOU, Jean-Michel
; APPLICANT: SHOYAB, Mohammed
; APPLICANT: SIEGALL, Clay B.
; APPLICANT: HELISTE m, Ingegerd
; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,438
FILING DATE: 07-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/323,442
FILING DATE: 14-OCT-1994
APPLICATION NUMBER: US 08/150,704
FILING DATE: 10-NOV-1993
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/991,165
FILING DATE: 24-NOV-1992
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Mirock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 5624-230
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 5501 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 34..3961
US-08-484-438-1

Query Match 28.2%; Score 491.2; DB 1; Length 5501;
Best Local Similarity 67.5%; Pred. No. 7,5e-119;
Matches 707; Conservative 0; Mismatches 338; Indels 3; Gaps 1;

12 GCAGAGATCCGAGATACACATGCGAGACTGCTGCGAGAAAGGAGCTGTGAGCC 71
2064 GAAGAGATCAAAAAGAGAGAGCTTGAGAGATCTTGAGAAAGAGATGTGTGAAAC 2123
72 GGTGACCTAGCGGAGGATGCCCAACGAGGAGATGCGGATCTGAAAGAGAGCGA 131
2124 ATTAATCTCCAGTGCACAGCACCCATTAAGCTCACTTCTGATTTTAAAGAACTGA 2183
132 GGTGAGAGAGTGAAGTGTCTTGATCTGGCGCTTTTGGCAGAGCTTACAGGGCATGTG 191
2184 GGTGAAGAGGTTAAAGTCTTGGCTCAGTGTCTTTTGAACGGTTTAAAGATTTTG 2243
192 GATCCCTGATGGGAGATGTGAATAATTCAGTGGCATCAAGTGTGAGGAAAAAC 251
2244 GGTACTGTAAGAGAACTGTGAAGATCTGTGGCTATTAAGATTTCTTAATGAGCAAC 2303
252 ATCCCCCAAGCAAAAGAAATCTTGAACGAAGCATACGATGCGTGTGGGCTC 311
2304 TGTGTCGAAGGAAATGTGAAGTTCATGATGAAGCTTGATGATGCAAGATATGATCA 2363
312 CCCATATGTCTCCCGCTTCTGGGATCTGCGCATCCAGGATGACAGTGTGACACA 371
2364 TCCACACTAGTCCCGTCTGTGGTGTGTCTGAGCCCAACATCCAGCTGTGATCTCA 2423
372 GGTATGCTTATGCTGCTCTTATGACCATGTCCGGGAAACCGCGAGCGCTGGGCTC 431
2424 ACTATGCCCCCATGTGCTGTGATGATGTCCACGAGCAAGAGATTAATGATGATC 2483
432 CCAGAGACTGTGAGTGTGTATGAGATTCGCAAGGGAGAGAGTACTGAGAGATGT 491
2484 ACAACTGCTGTTAATCTGTGTGTCTCAAGATTAAGGAAATGATGATCTTGAAGAAAG 2543
492 GCGGCTCGTACACAGGGAATGTGGCGCTGGAACGTGTCTCAAGATGCCAACCATGT 551

2544 ACAGCTCGTCACTGCGGATTTGGCAGCCCGTATATCTTATGAAATCTCCAAACCATGT 2603
552 CAAATTTACAGACTTGGGCTGGCTGGCTGGTGCATTTGACGACAGAGATACATGC 611
2604 GAAATTCACAGATTTTGGGCTTACGACAGCTCTTGAAGAGATGAAAAAGATACATGC 2663
612 AGATGGGGCAAGGTGCCATCACTGATGAGCGCTGAGATCTTCCCGCGGCT 671
2664 TGATGAGAGAAAGATGCCAATTAATGATGAGCTCTGAGTGTATATACAGGAAAT 2723
672 CACCCACAGAGTATGTGTGAGTTATGATGTGACTGTGGAGCTGATGACATTTGG 731
2724 CACCATAGAGTACGTTTGAAGTATGAGTTACTATATGGAAGTATGATCACTTGG 2783
732 GGCACAACTTACAGATGGGATCCCGCCGAGAGATCCCTGACCTGAGAAAGGGGA 791
2784 AGGAAACCTCTATGATGATTTCCAAAGGAGAAATCCCTGATTTATAGAGAAAGGA 2843
792 GCGGCTGCCAGCCCGCATCTGACCATGATGATGATGATGATGATGATGATGATG 851
2844 AGTTTGCCTGAGCTCCCATCTGACATTTGACATGATGATGATGATGATGATGATG 2903
852 GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 911
2904 GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2963
912 GCGCAGGAGCCCGCATGATGATGATGATGATGATGATGATGATGATGATGATGAT 968
2964 GCGTGAAGCTCTCAAGATGATGATGATGATGATGATGATGATGATGATGATGATG 3023
969 TCCCTTGAACAGACCTTCTACCGCTCACTGCTGAGAGACATGAGAGAGAGAGAG 1028
3024 TCCAAATGACAGCAAGTCTTTTCAAGATCTCTTGAATGAGAGATTTGAGAGATATGAT 3083
1029 GGATGCTGAGAGATCTGTGATGCCAG 1056
3084 GGATGCTGAGAGATCTGTGATGCCAG 3111

RESULT 23
US-08-484-438-3
Sequence 3, Application US/08484438
Patent No. 5811098
GENERAL INFORMATION:
APPLICANT: Plozman, Gregory D.
APPLICANT: Culouscou, Jean-Michel
APPLICANT: Shoyab, Mohammed
APPLICANT: Siegal, Clay B.
APPLICANT: Helictr m, Ingegerd
APPLICANT: Helictr m, Karl E.
TITLE OF INVENTION: HERA HUMAN RECEPTOR TYROSINE KINASE
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSER: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,438
FILING DATE: 07-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/323,442
FILING DATE: 14-OCT-1994

APPLICATION NUMBER: US 08/150,704
FILING DATE: 10-NOV-1993
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/981,165
FILING DATE: 24-NOV-1992
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Mistrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 5624-230
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 5555 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 34..3210
US-08-484-438-3

Query Match 28.2%; Score 491.2; DB 1; Length 5555;
Best Local Similarity 67.5%; Pred. No. 7.5e-119;
Matches 707; Conservative 0; Mismatches 338; Indels 3; Gaps 1;

12 GCAGAGATCCGGAAGTACACGATCGGAGACTGCTGCAGGAAACGAGCTGTGGAGCC 71
2064 GAAGGACATCAAAAAGAAAGAGCCCTGAGAGATTCTTGGAAAACAGAGTTGGTGAACC 2123
72 GGTGACACTGCGGAGGATGCGCAACAGCGCGAGATGCGGAGATCCCTGAAAAGAGACGA 131
2124 ATTAACTCCAGTGCACAGACCCAAATCAGCTCACTGATTTTGGAAAAGAACTGA 2183
132 GCTGAGAGAGTGAAGTCTTGGATCTGCGCTTTTGGCAAGCTCTCAAGGCGCATGTG 191
2184 GCTGAAGAGGGTAAAGTCTTGGCTCAGGTCTTTTGGAACGTTTAAAGATTTTG 2243
192 GATCCCTGATGGGGAATGTGAATAATTCAGTGCATCAAAAGTTGAGGAAAAAC 251
2244 GGTACTGAAAGGAACCTGTGAAGATTCTGTGCTATTAAAGATTCTTAATGAGACAAC 2303
252 ATCCCCAAGCAACAAAGAAATCTTGAACGAACATACGATGAGCTGTGGGCTC 311
2304 TGGTCCCAAGCAAAATGTGAGATTATGATGAAGCTCTGATCATGCGCAAGTATGATCA 2363
312 CCCATATGCTCCCGCTTCTGGGATCTGCTGCATCCACGGTGCAGCTGTGACACA 371
2364 TCCAACTAGTCCGCTGCTGGGTGTGTGTGTGAGCCCAACCATCCAGCTGTACTCA 2423
372 GCTTATGCCCTATGCTGCTCTTAAAGCAATGTCCGGAAAAACCGGACGCTGGGCTC 431
2424 ACTTATGCCCATGCTGCTCTGTGAGATGTCCACGAGCAAGATTAACATTGATTC 2483
432 CCAGGACCTGCTGAAGCTGTGATGCAATTTGCCAAAGGAGATGACTACCTGGAGAGAT 491
2484 ACAACTGCTGCTTAACTGTGTGTCAATAGCTAAGGAATGATGTAACCTGGAAGAAAG 2543
492 GCGGCTGCTACACAGGAGCTTGGCGCTCGAACTGTGCTCAAGAGTCCCAACCATGT 551
2544 ACGACTCGTTTCAATGCGGATTTGGCAGCCCGTATATCTTAAGTGAATCTCCAAACCAT 2603
552 CAAAATTACAGCTTTCGGGCTGCTGCGCTGCTGTCGACATTCGAGACAGAGATACATGC 611
2604 GAAATTCACAGATTTTGGGCTGTCAGACTCTTGAAGAGATGAAAAAGAGTACATGC 2663
612 AGATGGGGCAAGATGCGCATCAATGATGAGCTGTGAGTCAATTCCTCCGCGCGGTT 671

DB 2664 TGATGAGGAAGATGCCAATTAATGATGAGCTCTGAGAGTATACATTACAGAAATT 2723
QY 672 CACCACCAAGATGATGTGAGTATGATGATCTGTGGAGCTGATGACTTTTGG 731
DB 2724 CACCACCAAGATGATGTGAGTATGATGATCTGTGGAGCTGATGACTTTTGG 2783
QY 732 GGGCAACCTTACATGAGATCCCAAGCCCGGGAATCCCTGACCTGCTGGAAGGAGGA 791
DB 2784 AGAAAACCTTATATGAAATTCACACGCGAAGATCCCTGATTTATTAGGAAGAGGA 2843
QY 792 GCGGCTGCGGAGCCCGCATCTGCAACATGATGTCTACATGATCAATGCTCAATGTTG 851
DB 2844 ACGTTGCTGACGCTCCCATCTGCACTATTTGAAGTGTACATGCTCAATGTTG 2903
QY 852 GATGATGACTCTGAATGTGCGGCAAGATTCGGGAGTGTGTCTGAATTTCTCCGAT 911
DB 2904 GATGATGATGCTGACAGTACCTTAATTTAAGAACTGCTGCTGATTTTCAAGAT 2963
QY 912 GGGCAGGAGACCCCAAGGCTTTGTGTGATTCAGAAATGAGAA---CTTGGGCCAGCCAG 968
DB 2964 GGCTCGAGACCCCTCAAGATACCTAATTTTCAAGGTGATGATGATGAAGCTTCCAG 3023
QY 969 TCCCTTGGACAGCACTTCTTACCGCTCACTGCTGAGAGACGATGACATGGGGACCTGAT 1028
DB 3024 TCCAAATGACACGAGTTCTTTTCAAGATCTCTTGGATGAGAGATTTGGAAGATGAT 3083
QY 1029 GGATGCTGAGAGATATCTGTACCCAG 1056
DB 3084 GGATGCTGAGAGATATCTGTGCTGCTCAG 3111

RESULT 24
US-08-484-438-5
Sequence 5, Application US/08484438
Patent No. 5811098
GENERAL INFORMATION:
APPLICANT: PLOWMAN, Gregory D.
APPLICANT: CULOUSCOU, Jean-Michel
APPLICANT: SHOYAB, Mohammed
APPLICANT: SIEGALL, Clay B.
APPLICANT: HELLEST m, Ingegerd
APPLICANT: HELLEST m, Karl E.
TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,438
FILING DATE: 07-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/323,442
FILING DATE: 14-OCT-1994
APPLICATION NUMBER: US 08/150,704
FILING DATE: 10-NOV-1993
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/981,165
FILING DATE: 24-NOV-1992
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Mistrock, S. Leslie

REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 5624-230
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 3321 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 156..1782
US-08-484-438-5

Query Match 21.9%; Score 381.6; DB 1; Length 3321;
Best Local Similarity 68.7%; Pred. No. 3.4e-90;
Matches 541; Conservative 0; Mismatches 244; Indels 3; Gaps 1;

272 AATCTTAGAGAGCATACGATGCTGCTGGGCTCCCAATATGCTCCGCCCTTC 331
|||
145 AACCCAGAGAGAGCTGATCATGCAAGATGATCATCCACCTAGTCCGGTGC 204
332 TGGCATCTGCTGATCATCCACGGTGCAGCTGTGACACAGCTTATGCCCTATGCTGCC 391
205 TGGGTGTGTCTGAGCCCAACCATCCAGCTGTGATCTCACTTATGCCCTAGCTGCC 264
392 TCTTAGACATGTCCGGGAAACCGCGACGCTGGGCTCCGAGACCTGTGAACTGT 451
265 TGTGAGATATGTCCACAGACCAAGATTAATTGATGATCAACTGCTGCTTAAGT 324
452 GTATGCAATGTCACAGAGGAGTGAAGTCTCTGAGAGATGTGGCTCTGATCAGAGACT 511
325 GTGTCAGATAGCTAAAGGAATGATGTAAGTCTGGAAGAAAGACGACTCTTATCCGGATT 384
512 TGGCCGCTCGGAAAGTGTGCTGCTCAAGAGTCCCAACCATGTCAAAATTAAGACTTGGGG 571
385 TGGACGCCGTAAATGCTTAAATGTAATCTCCAAACCATGTGAAATCAAGATTTGGGAC 444
572 TGGCTCGCTCTGACATTCGACAGACAGATTAACATGACAGATGGGGCAAGTGGCCA 631
445 TAGCCAGACTCTTGAAGAGATGAAAGAGTAAATGATGATGAGAGAAAGATGCCAA 504
632 TCAAGTGAATGCGCTGAGATTCATTCCTCCGCGGGTTCACCAAGAGTGAATGT 691
505 TTAATGATGCTCTGAGATGTAATTAACAGGAATTCACCATCAGAGTGAAGTTT 564
692 GGAGTAAATGATGATCTGTGAGAGTGAATCTTTGGGGCCAAACCTTAACATGATGGA 751
565 GGAGCTAATGAGTAACTAATGAGAACTGATGACCTTTGAGAGAAACCTTAATGATGAA 624
752 TCCAGAGCCGGAGATCCCTGACCTGCTGAGAAAGGGGAGGGGCTGCCAGCCCCCA 811
625 TTCCAGCCGAGAAATCCCTGATTTATTAAGAGAAAGAGAACTTGGCTCAGCTCCCA 684
812 TCTGACCATGATGATCTAATGATGATGATGATGATGATGATGATGATGATGATGATG 871
685 TCTGACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 744
872 GGCCAAATTCGGGAGTGTGTGTGTAATCTCCCGATGGCCAGGACCCCGAGCGCT 931
745 GACCTAAATTAAGAACTGCTGCTGAGTTTCAAGAGTGGCTGGAACCTCTAAAGAT 804
932 TTGTGATCATCAGATGAGA--CTTGGGCCAGCAGTCCCTTGACAGACACTTCT 988
805 ACCTAGTATTCAGAGGTATGATGATGATGATGATGATGATGATGATGATGATGATG 864
989 ACCGCTACTGCTGAGAGAGATGACATGGGGGAGCTGTGTGATGCTGAGAGATGCTGG 1048
865 TTCAGAAATCTCTTGAATGAGAGATTTGAAAGATATGATGATGATGATGATGATGATG 924

1049 TACCCAG 1056
925 TCCCTCAG 932

RESULT 25
US-07-978-895-3
Sequence 3, Application US/07978895
Patent No. 5480968
GENERAL INFORMATION:
APPLICANT: Kraus, Matchiae H.
APPLICANT: Aaronson, Stuart A.
TITLE OF INVENTION: AN ISOLATED POLYPEPTIDE RELATED TO THE
TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR RECEPTOR, ANTIGEN THEREOF, AND
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Suite 400
STREET: 133 Carnegie Way, N.W.
CITY: Atlanta
STATE: Georgia
COUNTRY: U.S.A.
ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/978,895
FILING DATE: 19921110
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/444,406
FILING DATE: 01-DEC-1989
ATTORNEY/AGENT INFORMATION:
NAME: Perryman, David G.
REGISTRATION NUMBER: 33,438
REFERENCE/DOCKET NUMBER: 1414-028
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404) 688-0770
TELEFAX: (404) 688-9880
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 4905 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 100..4125
US-07-978-895-3

Query Match 20.1%; Score 349.6; DB 1; Length 4905;
Best Local Similarity 62.7%; Pred. No. 1e-81;
Matches 544; Conservative 0; Mismatches 324; Indels 0; Gaps 0;

84 CGAGCGATGCCCAACAGCGCAGATGCGGATCTGAAAGACGAGCTGAGGAAGT 143
2175 CAGTGAAGAGCTAAACAAAGCTTGGCCAGAACTCTTCAAGAGAGACAGAGCTAAGGAAGCT 2234
144 GAAGGTCTTGATCTGGCGCTTTTGGACAGTCTACAGAGGATCTGATCTGATG 203
2235 TAAAGTCTTGCTCGGCTGCTGCTTGGAACTGTGACAAAGAGTGTGATCTCTGAGGG 2294
204 GAGAGATGTAATTCAGTGGCCATCAAGGTGAGGAGAAACATCCCAAGC 263
2295 TGAATCAATCAAGATTCAGTCTGATTAAGTCAATGAGGACAAAGTGAAGCGGACAG 2354
264 CAACAAAGAAATCTTAGACGAAGCATAGTATGCTGTGGCTCCCATATGTCTC 323

2355 TTTTCAAGCTGTGACAGATCATATGCTGGCATTGGACGCTGGACCATGCCCCATTGT 2414
QY 324 CCGCTCTTGTGGGATCTGCTGACATCCAGTGTGATGACAGCTTATGCCCTA 383
Db 2415 AAGGCTGTGGGATCATGCTCCAGGGTCACTCTGACAGTGTCACTAAATTGGCTCT 2474
QY 384 TGGCTGCTCTTAAACCATGTCCGGGAAAACCGGGAGCGCTGGGCTCCCGAGCTGCT 443
Db 2475 GGGTCTCTGCTGATCATGTGAAACAACCGGGGGGCACTGGGGGCAAGCTGCTGCT 2534
QY 444 GAATGTGTATGAGATTTGCGAAGGGGATGAGTCACTTGGAGGATGCGGCTGTACA 503
Db 2535 CAATCTGGGAGTAAATTTGCGAAGGGGATGATCTTCTTGAAGAACTGTATGTGCA 2594
QY 504 CAGGAACTTGGCCGCTGGAAAGTGTGTGCAAGAGTCCAAACCATGTCAAAATTAACA 563
Db 2595 TAGAAACCTGGCTGCCGAAACGTGTCTCAAGTCAACCCAGTCAAGTTCAAGTGGCA 2654
QY 564 CTTGGGGCTGGCTGGCTGCTGAGCATTTGACAGACAGATGACATGCAATGGGGGCA 623
Db 2655 TTTTGGTGTGCTGACCTGCTGCTCTGATGATGACAGCTGCTATACAGTGAAGCCAA 2714
QY 624 GGTGCCCATCAAGTGAAGGAGGAGTGGAGTCCATTCTCCGCGGGGTTACCCACAGAG 683
Db 2715 GACTTCATTTAAGTGAATGAGCTGCTTGAAGATTCATCTTGGAAATACACACAGAG 2774
QY 684 TGAATGTGAGATTTATGTGTGACTGTGTGGAGTGAATGATTTGGGGCCAAACCTTA 743
Db 2775 TGAATGTGAGATTTATGTGTGAGTGTGAGATTTGGAGTGTGATGACCTTGGGGGCA 2834
QY 744 CGATGGATCCAGAGCCCGGAGATCCCTGACCTGTGAAAAGGGGGAGCGGCTGCCCA 803
Db 2835 TGCAGGGGCTAGATTTGCTGTAAGTACAGACCTGTGAGAAAGGGGGAGCGGTTGGCA 2894
QY 804 GCGCCCATCTGCAACCATTTGATGATCATGATCATGATGATGATGATGATGATGATG 863
Db 2895 GCGCCAGATCTGCAAAATTTGATGATGATGATGATGATGATGATGATGATGATGATG 2954
QY 864 TGAATGTGAGATTTATGTGTGAGTGTGTGATGATTTCCGCGCATGCGCAGGAGCC 923
Db 2955 GAATCTTGGCCCAACCTTTAAAGAACTGACCAATGATGATGATGATGATGATGATG 3014
QY 924 CCAAGGCTTTGTGTGATCCAGATGAG 951
Db 3015 ACCACGGTATCTGCTGATTAAGAGAGAG 3042

RESULT 26
US-08-473-119-3
; Sequence 3, Application US/08473119
; Patent No. 5820859
; GENERAL INFORMATION:
; APPLICANT: Kraus, Matthias H.
; APPLICANT: Aaronson, Stuart A.
; TITLE OF INVENTION: AN ISOLATED POLYPEPTIDE RELATED TO THE
; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR RECEPTOR, ANTISEN THERETO, AND
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Suite 400
; STREET: 133 Carnegie Way, N.W.
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: U.S.A.
; ZIP: 30303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/473,119
; FILING DATE: 07-JUN-1995

CLASSIFICATION: 424
PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/978,895
; FILING DATE: 10-NOV-1992
; APPLICATION NUMBER: US 07/444,406
; FILING DATE: 01-DEC-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Perryman, David G.
; REGISTRATION NUMBER: 33,438
; REFERENCE/DOCKET NUMBER: 1414-028
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770
; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4905 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 100..4125
US-08-473-119-3

Query Match 20.1%; Score 349.6; DB 1; Length 4905;
Best Local Similarity 62.7%; Pred. No. 1e-81;
Matches 544; Conservative 0; Mismatches 324; Indels 0; Gaps 0;

84 CGAGCGATGCCCAACGAGCGGAGATGCGGATCTGAAAGAGCGGAGCTGAGAGGT 143
Db 2175 CAGTGAAGAAGCTTAACAAGTCTTGCCAAATCTTCAAGAGACAGAGCTTAAGAGCT 2234
QY 144 GAAGTCTTGTGATCTGCGCTTTTGGCAGATCTACAGAGGCAATCTGATCTCTGATG 203
Db 2235 TAAATGCTTGTGCTCGGCTGTCTTGGAACTGTGCAAAAGAGTGTGATCTCTGAGGG 2294
QY 204 GAGAGATGTAAATTCAGTGGCCATCAAGTGTGAGGAAAACATCCCAAGC 263
Db 2295 TGAATCAATCAAGATTCAGCTGATTAAGTCAATGAGGACAAAGAGTGGACGCGAG 2354
QY 264 CAACAAGAAATCTTAACAGAGATGATGATGATGATGATGATGATGATGATGATG 323
Db 2355 TTTTCAAGCTGTGACATGATGATGATGATGATGATGATGATGATGATGATGATG 2414
QY 324 CCGCTCTTGTGGGATCTGCTGACATCCAGTGTGACAGCTGATGACAGCTTATGCCCTA 383
Db 2415 AAGGCTGTGGGATCATGCTCCAGGGTCACTCTGACAGTGTCACTAAATTGGCTCT 2474
QY 384 TGGCTGCTCTTAAACCATGTCCGGGAAAACCGGGAGCGCTGGGCTCCCGAGCTGCT 443
Db 2475 GGGTCTCTGCTGATCATGTGAAACAACCGGGGGGCACTGGGGGCAAGCTGCTGCT 2534
QY 444 GAATGTGTATGAGATTTGCGAAGGGGATGAGTCACTTGGAGGATGCGGCTGTACA 503
Db 2535 CAATCTGGGAGTAAATTTGCGAAGGGGATGATCTTCTTGAAGAACTGTATGTGCA 2594
QY 504 CAGGAACTTGGCCGCTGGAAAGTGTGTGCAAGAGTCCAAACCATGTCAAAATTAACA 563
Db 2595 TAGAAACCTGGCTGCCGAAACGTGTCTCAAGTCAACCCAGTCAAGTTCAAGTGGCA 2654
QY 564 CTTGGGGCTGGCTGGCTGCTGAGCATTTGACAGACAGATGACATGCAATGGGGCAA 623
Db 2655 TTTTGGTGTGCTGACCTGCTGCTCTGATGATGACAGCTGCTATACAGTGAAGCCAA 2714
QY 624 GGTGCCCATCAAGTGAAGGAGTGGAGTCCATTCTCCGCGGGGTTACCCACAGAG 683
Db 2715 GACTTCATTTAAGTGAATGAGCTGCTTGAAGATTCATCTTGGAAATACACACAGAG 2774
QY 684 TGAATGTGAGATTTATGTGTGAGTGTGTGAGATTTGGAGTGTGATGATTTGGGGCCAAACCTTA 743
Db 2775 TGAATGTGAGATTTATGTGTGAGTGTGTGAGATTTGGAGTGTGATGATTTGGGGGCAAGCTTA 2834

Qy 744 CGATGGATCCACGCCGGAGATCCCTGACTGCTGGAAAAAGGGGAGCGGCTGCCCA 803
Db 2835 TGCAGGGCTACGATGGCTGAGTACAGACCTGCTAGAGAGGGGGAGCGGTTGGACA 2894
Qy 804 GCGCCCATCTGCACCATTTGATGCTACATGATGCAAAATGTTGATGATGACTC 863
Db 2895 GCGCCAGATCTGCACAAATTTGATGCTACATGATGCTGCAAGATTTGATGATGAGA 2954
Qy 864 TGAATGTCGGCCAGATTCGGGAGTTGGTGTCTGAATTTCTCCGCATGCGCAGGAGCC 923
Db 2995 GAACATTCGCCCAACTTTTAAAGACTAGCCAAATGATTTCAACAGATGCGCCGAGACC 3014
Qy 924 CCAGCGCTTTGTGTCTATCCAGATGAG 951
Db 3015 ACCACGGTATCTGCTCATTAAGAGAGAG 3042

RESULT 27
US-08-475-352-3
; Sequence 3, Application US/08475352
; Patent No. 5916755
; GENERAL INFORMATION:
; APPLICANT: Kraus, Mathias H.
; APPLICANT: Aaronson, Stuart A.
; TITLE OF INVENTION: AN ISOLATED POLYPEPTIDE RELATED TO THE
; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR RECEPTOR, ANTIGEN THEREOF, AND
; TITLE OF INVENTION: BIOSAYS AND METHODS RELATED THERETO
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Suite 400
; STREET: 133 Carnegie Way, N.W.
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: U.S.A.
; ZIP: 30303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/475.352
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/978,895
; FILING DATE:
; APPLICATION NUMBER: US 07/444,406
; FILING DATE: 01-DEC-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Perryman, David G.
; REGISTRATION NUMBER: 33,438
; REFERENCE/DOCKET NUMBER: 1414-028
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770
; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4905 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 100..4125
; US-08-475-352-3

Query Match 20.1%; Score 349.6; DB 2; Length 4905;
Best Local Similarity 62.7%; Pred. No. 1e-81;
Matches 544; Conservative 0; Mismatches 324; Indels 0; Gaps 0;

Qy 84 CGAGCGATGCCCAACGAGCGCGATCGATCCTGAAAGAGACGAGCTGAGGAGAGT 143

Db 2175 CAGTGAGAGGCTAAACAAGTCTTGCCAGATCTTCAAAAGACAGAGCTTAAGAACT 2234
Qy 144 GAAGTGTGATGATCTGCGCTTTTGGCAGTCTACAAAGGAGCATCTGATCCCGATAG 203
Db 2235 TAAAGTCTTGATCTGCGGTCTTTTGAACCTGTGCAAAAGAGATGATGATCTCGAGG 2294
Qy 204 GAGAGATGTGAAAAATTCAGTGGCCATCAAGTGTGAGGAAAAACATCCCCCAAGC 263
Db 2295 TGAATCAATCAAGATTCAGTCTGATTAAGTCAATGAGACAAAGATGAGCGCAGAG 2354
Qy 264 CAACAAAGAAATCTTAAGCAGAGATGATGATGATGATGATGATGATGATGATGATG 323
Db 2355 TTTTCAAGCTGTGACAGATCAATATGCTGGCCATTTGGCAGCCCTGACCAATGCT 2414
Qy 324 CCGCTTCTGAGCATGCTGATCAATCCAGAGTGTGATGATGATGATGATGATGATGAT 383
Db 2415 AAGGCTGTGAGCATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2474
Qy 384 TGGCTGCTCTTAAACATGTCGGGAAACCGCGAGCGCTGGGCTTCCAGACCTGCT 443
Db 2475 GGGTCTCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2534
Qy 444 GAATCTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 503
Db 2535 CAATCTGGGAGTAAACAATTTGCAAGGAGATGATGATGATGATGATGATGATGATGAT 2594
Qy 504 CAGGAGCTTGGCGCGTGGAGAGGCTGATGATGATGATGATGATGATGATGATGATGAT 563
Db 2595 TAGAACTGTGCTGCGCAAAAGTGTCTAAGTCAACCTGATGATGATGATGATGATGAT 2654
Qy 564 CTTCGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 623
Db 2655 TTTTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2714
Qy 624 GGTGCCATCAAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 683
Db 2715 GACTCAATTAAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2774
Qy 684 TGAATGTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 743
Db 2775 TGAATGTGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2834
Qy 744 CGATGGATCCACGCCGGAGATCCCTGACTGCTGGAAAAAGGGGAGCGGCTGCCCA 803
Db 2835 TGCAGGGCTACGATGGCTGAGTACAGACCTGCTAGAGAGGGGGAGCGGTTGGACA 2894
Qy 804 GCGCCCATCTGCACCATTTGATGCTACATGATGCAAAATGTTGATGATGACTC 863
Db 2895 GCGCCAGATCTGCACAAATTTGATGCTACATGATGCTCAAGTGTGATGATGATGAGA 2954
Qy 864 TGAATGTCGGCCAGATTCGGGAGTTGGTGTCTGAATTTCTCCGCATGCGCAGGAGCC 923
Db 2995 GAACATTCGCCCAACTTTTAAAGACTAGCCAAATGATTTCAACAGATGCGCCGAGACC 3014
Qy 924 CCAGCGCTTTGTGTCTATCCAGATGAG 951
Db 3015 ACCACGGTATCTGCTCATTAAGAGAGAG 3042

RESULT 28
US-09-170-699-3
; Sequence 3, Application US/09170699
; Patent No. 6639060
; GENERAL INFORMATION:
; APPLICANT: Kraus, Mathias H.
; APPLICANT: Aaronson, Stuart A.
; TITLE OF INVENTION: AN ISOLATED POLYPEPTIDE RELATED TO THE
; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR RECEPTOR, ANTIGEN THEREOF, AND
; TITLE OF INVENTION: BIOSAYS AND METHODS RELATED THERETO
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Suite 400

```
STREET: 133 Carnegie Way, N.W.
CITY: Atlanta
STATE: Georgia
COUNTRY: U.S.A.
ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patemcin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/170,699
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/978,895
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Perryman, David G.
REGISTRATION NUMBER: 33,438
REFERENCE/DOCKET NUMBER: 1414-028
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404) 688-0770
TELEFAX: (404) 688-9880
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 4905 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 100..4125
US-09-170-699-3

Query Match      20.1%; Score 349.6; DB 4; Length 4905;
Best Local Similarity 62.7%; Pred. No. 1e-81;
Matches 544; Conservative 0; Mismatches 324; Indels 0; Gaps 0;

QY      84  CGAGGCCATGCCCAACGAGCGGCGAGATCCGATCCTGAAAGACGAGGCTGAGGAAGT 143
DB      2175  CAGTGAGAGGGCTAAACAAGCTTGGCCAGAACTTCAAAGACAGAGCTAAGAGAGCT 2234
QY      144  GAAAGTCTTGAGATCTGGCGCTTTTGGCAGACTACAAAGGCACTTGATCCCTGATG 203
DB      2235  TAAAGTGTGGCTCGGGTGTCTTTGGAACGTGTGACAAAGAGTGTGATCCCTGAGGG 2234
QY      204  GGAGAAATGTGAAATTCAGTGGCCATCAAAAGTGTGAGGAAAAACATCCCCCAAGC 263
DB      2295  TGAATCAATCAAGATTCCAGTCTGATTAAGTCAATTGAGGACAAAGATGGACGGCAG 2354
QY      264  CAACAAAGAAATCTTAGACGAAGCATAGTATGCTGTGTGTGGCTCCCATATGTCTC 323
DB      2355  TTTTCAAGCTGTGACAGATCATATGCTGGCCATTTGGCAGCTTGACATGCCCATTTGT 2414
QY      324  CCGCCTTCTGGGACATCTGCTGACATCCAGGATGAGCTGTGACACAGCTTATGCCCTA 383
DB      2415  AAGGTCTGGGACATATGCCAGGCTCATCTCTGAGCTTGTCACTCAATATTTGCCCT 2474
QY      384  TGGCTGCTCTTAAACATGTCTCGGAAAAACCGGAGCGCTGTGGCTCCAGAGACTGCT 443
DB      2475  GGGTCTCTGCTGATCATGTGAGACAACCGGGGGGCACTGGGGGCCACAGCTGTCTCT 2534
QY      444  GAATGTGTATGAGATTTGCCAAGGGATGAGCTACTCTGAGAGATGTGCGGCTGTATCA 503
DB      2535  CAACCTGGGAGATCAAAATTTGCCAAGGAAATGTATCACTTGAAGAAATGTGTATGTCA 2594
QY      504  CAGGAGCTTGGCGCTCGGACAGTGTCAAGAGATCCCAACATGTCAAAATTTACAGA 563
DB      2555  TAGAAACCTGGCTGCTGCCAAAGGTGTCTACTCAAGTCAACCCAGTCAAGGTTCAGGTG 2654
QY      564  CTTGGGCTGGCTCGGCTGTGAGCATTTGACGAGACAGAGTATCCATGAGATGGGGGCAA 623
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DB      2655  TTTTGTGTGCTGACCTGCTGCTCTCTCTGTATGATTAAGACCTCTATACGTAGAGCCAA 2714
QY      624  GGTGCCCATCAAGTGTATGCGCTGTGAGTCCATTTCTCCGCGGCTTCAACCAACAGAG 683
DB      2715  GACTCCAAATTAAGTGAATGCGCTTGTGAGATATCCATTGGGAAATACACACACAGAG 2774
QY      684  TGATGTGTGAGATTATGTGTGTACTGTGTGGAGCTGATGACTTTTGGGGCCAAACCTTA 743
DB      2775  TGATGTGTGAGATATGTGTGTGACAGTTTGGAGTTGATATCCTTCCGGGCAAGCCCTTA 2834
QY      744  CGATGGATCCCAAGCCCGGAGATCCCTGACTCTGTGGAAGAGGGAGCGGCTGCCCA 803
DB      2835  TGAAGGCTAGATGTGCTAAGTACCAAGCTGTCTTGAAGAGGGAGCGGCTTGGACA 2894
QY      804  GCCCCCATCTGCACATTTGATGTCTACATGATCATGTGCAAAATGTTGATGATGACTC 863
DB      2895  GCCCAGATCTGCACATTTGATGTCTACATGATGTGATGATGATCAAGTGTGATGATGATGA 2954
QY      864  TGAATGTGCGCCAGATTCGGGAGTTGTGTGAATTTCCCGCATGGCCAGGAGCC 923
DB      2955  GAACATTCGCCCAACCTTTAAAGAACTAGCAATGATTCACAGATGCGCCGAGACC 3014
QY      924  CCAGCGCTTGTGTGATCCAGATGAG 951
DB      3015  ACCACGATCTGTGCTAATAAGAGAGAG 3042

RESULT 29
US-09-630-706-3
; Sequence 3, Application US/09630706
; Patent No. 6277640
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: ANTISENSE MODULATION OF HER-3 EXPRESSION
; FILE REFERENCE: RTS-0053
; CURRENT APPLICATION NUMBER: US/09/630,706
; CURRENT FILING DATE: 2000-08-01
; NUMBER OF SEQ ID NOS: 94
; SEQ ID NO 3
; LENGTH: 4975
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (199)...(4227)
US-09-630-706-3

Query Match      20.1%; Score 349.6; DB 3; Length 4975;
Best Local Similarity 62.7%; Pred. No. 1e-81;
Matches 544; Conservative 0; Mismatches 324; Indels 0; Gaps 0;

QY      84  CGAGGCCATGCCCAACGAGCGGCGAGATCCGATCCTGAAAGACGAGGCTGAGGAAGT 143
DB      2274  CAGTGAGAGGGCTAAACAAGCTTGGCCAGAACTTCAAAGACAGAGCTAAGAGAGCT 2333
QY      144  GAAAGTCTTGAGATCTGGCGCTTTTGGCAGACTACAAAGGCACTTGATCCCTGATG 203
DB      2334  TAAAGTGTGGCTCGGGTGTCTTTGGAACGTGTGACAAAGAGTGTGATCCCTGAGGG 2393
QY      204  GGAGAAATGTGAAATTCAGTGGCCATCAAAAGTGTGAGGAAAAACATCCCCCAAGC 263
DB      2394  TGAATCAATCAAGATTCCAGTCTGATTAAGTCAATTGAGGACAAAGATGGACGGCAGAG 2453
QY      264  CAACAAAGAAATCTTAGACGAAGCATAGTATGCTGTGTGTGGCTCCCATATGTCTC 323
DB      2454  TTTTCAAGCTGTGACAGATCATATGCTGGCCATTTGGCAGCTTGACCATATGCTCATTTGT 2513
QY      324  CCGCCTTCTGGGACATCTGCTGACATCCAGGATGAGCTGTGATGATGATGATGATGATGAT 383
DB      2514  AAGGTCTGGGACATATGCTGAGGCTATCTCTGACAGTGTCTCACTAATATTTGCCCTCT 2573
```

QY 384 TGGCTGCTCTTAAACCAATGTCGGGAAACCGCGAGCCTGGGCTCCAGACCTGCT 443
Db 2574 GGGTCTCTGCTGATCATGTGAGACAAACCGGGGGGCACTGGGGCCACAGCTGCTGCT 2633
QY 444 GAACGTGTATGAGATTTGCCAAGGGATGAGCTACCTGAGAGTGTGGCTGTCTCA 503
Db 2634 CACTGGGGAGAGCAAAATTTGCCAAGGAAATGTAACCTTGAAGAAATGATGTGTCA 2693
QY 504 CAGGAGCTTGGCCGCTCGGAAAGTGTGTGTCAGAGAGTCCCAACATGTCAAAATTAACA 563
Db 2694 TAGAAACCTGGCTGCTCGGAAAGTGTCTACTCAAGTCAACCACTGACGTTCAGTGGCAGA 2753
QY 564 CTGGGGCTGGCTCGGCTGCTGAGACATTCAGAGACAGATGACATGACATGGGGGCA 623
Db 2754 TTTTGTGTGCTGACGTGCTGCTGCTGATGATGAGACAGCTGCTATACAGTGAAGCCAA 2813
QY 624 GGTGCTCATCAAGTGAAGGCGCTGAGATCCATTTCCGCGCGGCTTACCCACCAAG 683
Db 2814 GACTCAATTAAGTGAAGTGGCCCTTGAAGATTCACATTTGGGAAATACACACACAG 2873
QY 684 TGATGTGTGAGATTGATGTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 743
Db 2874 TGATGTGTGAGATTGATGTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 2933
QY 744 CGATGGATGCCAGCCGCGAGATCCGACCTGCTGAGAAAGGGGAGCGGCTGCCCCA 803
Db 2934 TGCAGGGCTACGATGATGCTGAGATGACAGACCTGCTGAGAAAGGGGAGCGGCTGCCCCA 2993
QY 804 GCGCCCATCTGACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 863
Db 2994 GCGCCCATCTGACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 3053
QY 864 TGAATGTGCGGCAAGATTCGGGAGTGTGTGATGATGATGATGATGATGATGATGATGATGATGAT 923
Db 3054 GAACATTTGCCCAACCTTTAAAGAACTAGCCAAATGATTCACAGAGATGGCCGAGACC 3113
QY 924 CCAGCGCTTTGTGTGATCCAGATGAG 951
Db 3114 ACCAGGTATCTGTCTAATAAGAGAG 3141

RESULT 30
US-09-919-039-268
; Sequence 268, Application US/09919039
; Patent No. 6727066
; GENERAL INFORMATION:
; APPLICANT: Kaseb, Matthew R.
; TITLE OF INVENTION: GENES EXPRESSED IN TREATED HUMAN C3A LIVER CELL CULTURES
; FILE REFERENCE: PA-0035 US
; CURRENT APPLICATION NUMBER: US/09/919,039
; PRIOR FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: 60/222,113
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 401
; SOFTWARE: PERL Program
; SEQ ID NO 268
; LENGTH: 5687
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6727066 902559.1
; NAME/KEY: unsure
; LOCATION: 4850-5163
; OTHER INFORMATION: a, t, c, g, or other
US-09-919-039-268

Query Match 20.1%; Score 349.6; DB 4; Length 5687;
Best Local Similarity 62.7%; Pred. 1.1e-81;
Matches 544; Conservative 0; Mismatches 324; Indels 0; Gaps 0;

QY 84 CGAGCGATGCCAACACAGGCGCAGATCGGATCCTGAAGAGACGAGCTGAGGAAGGT 143

Db 2276 CAGTGAAGAGCTAAACAAAGCTTTGGCCAGATCTTCAAAAGACAGAGCTAAGAACT 2335
QY 144 GAAGTGTGAT 203
Db 2336 TAAAGTGTGAT 2395
QY 204 GGAGAAATGTAAAAATTCAGTGGCCATCAAGTGTGAGGAGAAACATCCCCCAAGC 263
Db 2396 TGAATCATCAAGATTCAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2455
QY 264 CAACAAAGAAATCTTAAGACGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 323
Db 2456 TTTTCAGCTGTGACAGATCAATATGCTGGCCATTTGGCCAGCTTGGACCAATGCTCCATGCT 2515
QY 324 CCGCTTTGAGGATCTGCGTCAATCCAGGTCAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 383
Db 2516 AAGGCTCTGGGACTATGCTCCAGGGTCTCTCTGAGCTTGTCACTCAATATTTGCTCT 2575
QY 384 TGGCTGCTCTTAAACCAATGTCGGGAAACCGCGAGCCTGGGCTCCAGACCTGCT 443
Db 2576 GGGTCTCTGCTGATCATGTGAGACAAACCGGGGGGCACTGGGGCCACAGCTGCTGCT 2635
QY 444 GAACGTGTATGAGATTTGCCAAGGGATGAGCTACCTGAGAGATGTCGAGCTGTACA 503
Db 2636 CAACGTGGGAGATCAAAATTTGCCAAGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2695
QY 504 CAGGAGCTTGGCCGCTCGGAAAGTGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 563
Db 2696 TAGAAACCTGGCTCGGAAAGTGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2755
QY 564 CTTCGGGCTGGCTCGGCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 623
Db 2756 TTTTGTGTGCTGAT 2815
QY 624 GGTGCTCATCAAGTGAAGTGGGCTGAGTCCATTTCCGCGCGGTTACCCACAGAG 683
Db 2816 GACTCAATTAAGTGAAGTGGCCCTTGAAGATTCACATTTGGGAAATACACACACAGAG 2875
QY 684 TGATGTGTGAGATTGATGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 743
Db 2876 TGATGTGTGAGATTGATGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2935
QY 744 CGATGGATGCCAGCCGCGAGATCCCTGACCTGTGAGAAAGGGGAGCGGCTGCCCA 803
Db 2936 TGCAGGGCTACGAT 2995
QY 804 GCGCCCATCTGACATGAT 863
Db 2996 GCGCCCATCTGACATGAT 3055
QY 864 TGAATGTGCGGCAAGATTCGGGAGTGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 923
Db 3056 GAACATTTGCCCAACCTTTAAAGAACTAGCCAAATGATTCACAGAGATGGCCGAGACC 3115
QY 924 CCAGCGCTTTGTGTGATCCAGATGAG 951
Db 3116 ACCAGGTATCTGTCTAATAAGAGAG 3143

RESULT 31
518384-3
; Patent No. 5183884
; APPLICANT: KRAUS, MATTHIAS H.; AARONSON, STUART A.
; TITLE OF INVENTION: DNA SEGMENT ENCODING A GENE FOR A
; RECEPTOR RELATED TO THE EPIDERMAL GROWTH FACTOR RECEPTOR
; NUMBER OF SEQUENCES: 5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/444,406
; FILING DATE: 01-DEC-1989
; SEQ ID NO:3:
; LENGTH: 4545
518384-3


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Query Match      14.2%; Score 246.6; DB 6; Length 4545;
Best Local Similarity 66.8%; Pred. No. 1e-54;
Matches 348; Conservative 0; Mismatches 173; Indels 0; Gaps 0;

QY 431 CCCAGGACCTGCTGAACGTGTGTATGCAGATTCGCCAAGGGATGAGCTACTGTGAGATG 490
   |||||
Db 2162 CACAGCTGCTCTCAACTGCGGGAGATCAAAATTCGCCAAGGGAATGATTACTTATGAGAAC 2221
QY 491 TGGCGCTGTGACACAGGACCTTTGGCCCGCTCGGAAACGTCGTGTGTAAGAGTCCCAACATG 550
   |||||
Db 2222 ATGTATATGTGTCAATGAAACCTGTGCTGCCAAGCGTCACTCAAGTCACTCCAGTCAAG 2281
QY 551 TCAAAATTTACAGACTTTCGGGCTGCTGCTGCTGCTGCAATTCAGACAGACAGATTAACATG 610
   |||||
Db 2282 TTCAGGTGCGAGATTTTGTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2341
QY 611 CAGATGGGGGCGAAGGTGCTCCATCAAGTGATGCGGTGAGTCCATTTCCGCGCGCGGT 670
   |||||
Db 2342 ACAGTGGAGGCCAAGACTCCATTAATGTGATGGCCCTTGAGATGATTCACATTTGGGAAT 2401
QY 671 TCACCCCAACCAAGTATGTGTGAGTTATGTGTGACCTGTGTGGAAGCTATGACTTTG 730
   |||||
Db 2402 ACACAACACAAAGATGTCTGAGACTATGTGTGACATGCTTTGGAGTTGATGACCTTGG 2461
QY 731 GGGCCAAACCTTACGATGGATGCCAGCCGCGGAGATCCTGACCTGTGAAAAAGGGG 790
   |||||
Db 2462 GGGCAGAGCCCTTATGCAAGGATATGNNNGCTGTAAGTACAGACCTGCTAAGAGAGGGG 2521
QY 791 AGCGGCTGCCCAAGCCCCCATCTGACACATTGATGTCTAATGATCAATGTT 850
   |||||
Db 2522 AGCGGTTGGCAGAGCCCGACAGATCTGCAAAATGATGTCTAATGATGTGATCAAGTGT 2581
QY 851 GGATGATGATCTGTGAATGTGCGGCCAATTCGGGAGTTGTGTGTAATTCGCCGCA 910
   |||||
Db 2582 GGAATGATGATGAGAACATTGCGCCCAACTTTAAAGACTGAGCCAAATGATTCACACAGA 2641
QY 911 TGCCAGAGGAGCCCCCAGCGCTTTGTGTGATCTCAATGATAG 951
   |||||
Db 2642 TGCGCCGAGACCCACCAAGTATCTGTGATTAACACAGAG 2682

RESULT 32
US-09-383-630-1
? Sequence 1, Application US/09383630A
? Patent No. 6265632
? GENERAL INFORMATION:
? APPLICANT: Avner Yayon et al.
? TITLE OF INVENTION: ANIMAL MODEL FOR FIBROBLAST GROWTH
? FACTOR RECEPTOR ASSOCIATED
? CHONDRODYSPLASIA
? NUMBER OF SEQUENCES: 18
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Mark W. Friedman c/o Anthony Castorina
? STREET: 2001 Jefferson Davis Highway, Suite 207
? CITY: Arlington
? STATE: Virginia
? COUNTRY: United States of America
? ZIP: 22202
? COMPUTER READABLE FORM:
? MEDIUM TYPE: 1.44 megabyte, 3.5" microdisk
? COMPUTER: Twinhead* Slimnote-890TX
? OPERATING SYSTEM: MS DOS version 6.2,
? Windows version 3.11
? SOFTWARE: Word for Windows version 2.0 converted
? to an ASCII file
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/383,630A
? FILING DATE: 26-Aug-1999
? CLASSIFICATION: <Unknown>
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: <Unknown>
? FILING DATE: <Unknown>

```

```

ATTORNEY/AGENT INFORMATION:
NAME: Friedmam, Mark M.
REGISTRATION NUMBER: 33, 883
REFERENCE/DOCKET NUMBER: 1402/2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 972-3-562553
TELEFAX: 972-3-562554
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 5993
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-383-630-1

Query Match 9.4%; Score 163; DB 3; Length 5993;
Best Local Similarity 55.9%; Pred. No. 1e-32;
Matches 310; Conservative 0; Mismatches 245; Indels 0; Gaps 0;

QY 354 GTGTCACCTGCTGTGACACAGCTTTATGCCCTTATGCTGCTCTTTAGACCATATGCCGGAAAA 413
DB 4251 GTTCTCTCGGCGCGCGCGGCCCGCGGCGCTGAGCTACTCTCTTGACACTGTCAGACCGCC 4310
QY 414 CCGGAGACGCTCGGGCTCCAGAGACCTGCTGAACTGCTGTATGTCAGATTGCCAAGGGGAT 473
DB 4311 CGAGAGACAGTCACTTCAAGAGACCTGTGTCTGTGCTTACCAAGGTGGCCGGGGCAT 4370
QY 474 GAGCTTACCTGAGAGATGTGGGCTCGTACACAGGAGATTGAGCGCTCGGAACGTCTGT 533
DB 4371 GGAATTACTTGGCCCTCCAGAAAGTGCATCCACAGGAGACTGGCTGCCGCAATGTCTGT 4430
QY 534 CAAGAGTCCCAACCATGTCAAAATTACAGACTTCGGGCTGGCTGCTGCTGCACTTGA 593
DB 4431 GACCGAGAGACAACTGATGAAGATCGCAGACTTCGGGCTGGCCCGGAGCGTGCACAACT 4490
QY 594 CGAACAAGATACCATGCAATGAGGGGGCCAGAGGCCCATCAAGTGAATGGCGCGAGAGTC 653
DB 4491 CGACTTACTCAAGAAACAACCAACGAGCGCGGCTGCCGTGAAGTGAATGGCGCTTGAGGC 4550
QY 654 CATCTCCGCGCGGGGTTACCCACACAGAGTATGTGTGAGTTATGTTGACTGTGTG 713
DB 4551 CTTGTGTTGACCGAATCTACACTACACAGATGAGTCTGTGTCTTTGGGGTCTGTGCTG 4610
QY 714 GAGACTGATGACTTTTGGGGCAAACTTACGATGAGATCCAGCCCGGAGATCCTGTA 773
DB 4611 GGAATATCTTACGCTGGGGGGGCTCCCGTACCCCGGATCCTGTGTGAGAGGCTCTTCAA 4670
QY 774 CTTGCTGAAAAAGGGGAGCGGCTGCCCGAGCCCATCTGCAACCATTTATGTCTACAT 833
DB 4671 GCTCTGTAAGAGGGGCCACCGCATGAGCAAGAGCCCGCACTGCACACACAGACTGTACAT 4730
QY 834 GATATGATGTCAAATGTTGATGATGATTTGACTGTAATGTGCGGCAAGATTTCCGGGAGTTGT 893
DB 4731 GATATGAGGGAGTGTCTGTGCAATGCCGCGCTCCCAAGAGCCCACTTCAAGCAGCTGTGT 4790
QY 894 GTCTGAATTCTCCCG 908
DB 4791 GGAGAGACTGAGACCG 4805

RESULT 33
US-09-383-630-2
; Sequence 2, Application US/09383630A
; Patent No. 6265632
; GENERAL INFORMATION:
; APPLICANT: Avner Yaron et al.
; TITLE OF INVENTION: ANIMAL MODEL FOR FIBROBLAST GROWTH
; FACTOR RECEPTOR ASSOCIATED
; CHONDRODYSPLASIA
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
;

```

ADDRESSER: Mark M. Friedman c/o Anthony Castorina
STREET: 2001 Jefferson Davis Highway, Suite 207
CITY: Arlington
STATE: Virginia
COUNTRY: United States of America
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: 1.44 megabyte, 3.5" microdisk
COMPUTER: Twinhead Slimnote-890TX
OPERATING SYSTEM: MS DOS version 6.2,
Windows version 3.11
SOFTWARE: Word for Windows version 2.0 converted
to an ASCII file
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/383,630A
FILING DATE: 26-Aug-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Friedman, Mark M.
REGISTRATION NUMBER: 33,883
REFERENCE/DOCKET NUMBER: 1402/2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 972-3-562553
TELEFAX: 972-3-562554
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 5993
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-383-630-2

Query Match 9.4%; Score 163; DB 3; Length 5993;
Best Local Similarity 55.9%; Pred. No. 1e-32;
Matches 310; Conservative 0; Mismatches 245; Indels 0; Gaps 0;

354 GGTGAGCTGTGACACAGCTTATGCGCTGCTCTTAAACCATGTCGGGAAAA 413
4251 GTTTCTGGGGGGCGCGCGCGCGCTGAGTACTCTTGAACCTGCAAGCGGCC 4310
414 CCGGAGAGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCT 473
4311 CGAGGAGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCT 4370
474 GAGCTAGCTGAGAGATGTCGCGCTGCTGACAGAGGAGCTTGGCGGAGCTGCT 533
4371 GGAGTACTTGGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCT 4430
534 CAAGAGTCCCAACCATGTCATTAATTAACAGCTTGGCGCTGCGCTGCGCTGCGCT 593
4431 GACCAGAGCAACGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 4490
594 CGAGCAGAGTACATGACATGAGTGGGCGAAGTGGCCCATCAAGTGAATGGCTGAGTC 653
4491 CGACTACTAACAAGAACCAACCAAGCGCGCTGCGCTGCGCTGCGCTGCGCTGAGGC 4550
654 CATTTCTCGCGCGCGGCTTCAACCAACAGATGATGATGATGATGATGATGATGATG 713
4551 CTTGTTTGAAGAGTCTACACACCAAGATGATGATGATGATGATGATGATGATGATG 4610
714 GAGCTGATGACTTTTGGGGCCAAACCTTACATGAGGATGCCAGCCCGGAGATCCCTGA 773
4611 GGAGATCTTACAGCTGGGGGGGCTCCCGGATCCCGGATCCCTGAGAGAGACTCTTCA 4670
774 CCGTCTGAGAAAGGGGGAGCGGCTGCCCAAGCCCGGATCCCTGAGAGATGATGATGAT 833
4671 GCTGCTGAGAGGGGCGACCGATGAGCAAGCCCGGATCCCTGAGAGATGATGATGAT 4730

834 GATCATGTGCAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGAT 893
4731 GATCATGGGGAGTGTCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 4790
894 GTTCGATTTCTCCCG 908
4791 GGAGGACCTGAGCCG 4805

RESULT 34
US-08-475-035-2
Sequence 2, Application US/08475035
Patent No. 5985553
GENERAL INFORMATION:
APPLICANT: KING, C. R.
APPLICANT: KRAUS, MATTHIAS H.
APPLICANT: AARONSON, STUART A.
TITLE OF INVENTION: HUMAN GENE RELATED TO BUT DISTINCT FROM
NUMBER OF SEQUENCES: 4
TITLE OF SEQUENCES: EGF RECEPTOR GENE
CORRESPONDENCE ADDRESS:
ADDRESSER: NEEDLE & ROSENBERG, P.C.
STREET: Suite 1200, 127 Peachtree Street
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,035
FILING DATE: 7 Jun 1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Peryman, David G.
REGISTRATION NUMBER: 33,438
REFERENCE/DOCKET NUMBER: 1414,656
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404/688-0770
TELEFAX: 404/688-9880
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 424 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-475-035-2

Query Match 9.2%; Score 160.4; DB 2; Length 424;
Best Local Similarity 99.4%; Pred. No. 1.5e-32;
Matches 161; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

465 CAAGGGAGTAGCTACCTGAGAGATGTCGCGCTGCTGACAGAGGAGCTTGGCGCGCTGGA 524
23 CCAAGGATGAGCTACCTGAGAGATGTCGCGCTGCTGACAGAGGAGCTTGGCGCGCTGGA 82
525 CGTGTGCTGAAGAGTCCCAACCATGTCATTAATTAACAGCTTGGCGCTGCGCTGCT 584
83 CGTGTGCTGAAGAGTCCCAACCATGTCATTAATTAACAGCTTGGCGCTGCGCTGCT 142
585 GACATTGACGAGACAGATACCATGACATGAGTGGGGCAAGGT 626
143 GGACATTGACGAGACAGATACCATGACATGAGTGGGGCAAGGT 184

RESULT 35
US-09-099-749-10
Sequence 10, Application US/09099749B
Patent No. 6306591

```

: GENERAL INFORMATION:
: APPLICANT: Utah State University
: TITLE OF INVENTION: Screening For The Molecular Defect Causing Spider Lamb
: TITLE OF INVENTION: Syndrome In Sheep
: FILE REFERENCE: 3706US
: CURRENT APPLICATION NUMBER: US/09/099,749B
: CURRENT FILING DATE: 1998-06-18
: EARLIER APPLICATION NUMBER: 60/050,127
: EARLIER FILING DATE: 1997-06-18
: NUMBER OF SEQ ID NOS: 10
: SOFTWARE: Corel Wordperfect 8.0
: SEQ ID NO 10
: LENGTH: 2049
: TYPE: DNA
: ORGANISM: Sheep
: US-09-099-749-10

```

| | | | | |
|-----------------------|--------------|------------------|-----------------|--------------|
| Query Match | 9.1%; | Score 158.6; | DB 3; | length 2049; |
| Best Local Similarity | 55.1%; | Pred. No. 9e-32; | | |
| Matches 308; | Conservative | 1; | Mismatches 250; | Indels 0; |

| | | | |
|----|------|--|------|
| QY | 358 | CAGCTGGGAGACAGAGCTTATCCCTTAAGGCTGCGCTCTTGAACATATGTCGCGGAAAAACGCG | 411 |
| Db | 1319 | CTGGGGGGGGCGCGCGCCCCCAGGACACTACTACTCTTCCGACACACTCGCGGCTCCCGAG | 1378 |
| QY | 418 | GGACGCGCTGGGCTCCCAAGACCTTGCCTGAACCTGTGTATGACGATTTGCCAAGGGATGAGC | 477 |
| Db | 1379 | GAGCAGCTCACTTCAAAAGACCTTGATGCTGCGCCCTPACAGATGGCGCGGGGCATGGAG | 1438 |
| QY | 478 | TACCTGGAAGATGTGCGGCTGTGACACAGGGAATTGGCCGCTCGGAAGTGTCTGTCAAG | 537 |
| Db | 1439 | TACCTGGCGCTCGCAAGATGTGATCATATGAGGACCTGGCGGCGCCGCAACGTGTGTGACC | 1498 |
| QY | 538 | AGTCCCAACCATGTTCAAATTAACAAGCTTGGAGCTGCGTGGCTGTGGAATTGACGAG | 597 |
| Db | 1499 | GAGACCAACGTGATGAAATATCGCGCACTTCGGCTCGGCGCCGTGATGTGACAAACCTGCAC | 1558 |
| QY | 598 | ACAGAGTACCATGACAGATGGGGGCAAGGTGCCATCAAGTGAATGGCGCTGAGTCCATT | 657 |
| Db | 1559 | TACTACAAAGAAAGACAAACAAACGCGCGCGCTGCCCGTGAATGGATGGACCCGAGGCGCTTG | 1618 |
| QY | 658 | CTCGCGCGCGGCTTCACCCAACAGATATGTGTGAAGTTATGTGTGACTGTGTGGAG | 717 |
| Db | 1619 | TTTGAACCGCGCTCTACACCCACCAAGTATGTGTGTCCTTCGCGGCGTCTCTCTCTGGAG | 1678 |
| QY | 718 | CTGATGACTTTTGGGGGCAAACTTACAGATGGAGATCCCAAGCCGGGAGATCCCTGACCTG | 777 |
| Db | 1679 | ATCTTCAAGCTGTGGGGGGCTCGCGCTGATCCCTGGCAATCCCGMGAGAGAGCTTTCAAGCTG | 1738 |
| QY | 778 | CTGGAAGAGGGGAGCGGCTGCCCAAGCCGCCCATCTTGCAACATTGATGTCTACATGATC | 837 |
| Db | 1739 | CTGAAGAGAGGCAACCGCATGGACAAAGCCGGGCAATCTGACGATGACTTGACATATGATC | 1798 |
| QY | 838 | ATGTCAAAATGTTGATATTTGACTCTGTAATGTGCGCCAAAGATTCCGGAATTGTGTCT | 897 |
| Db | 1799 | AGGCGTGAAGTCTGGCAGCGCGCGCCTTCGACAGAGGCCACACTTCAACAGACTGTGTGAG | 1858 |
| QY | 898 | GAATTCTCCCGATGCGCA | 916 |
| Db | 1859 | GACCTGAACTGGTCTCA | 1877 |

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; RESULT 36
; US-08-783-275-3
; Sequence 3, Application US/08783275
; Patent No. 5766859
;
; GENERAL INFORMATION:
;
; APPLICANT: Vojdani, Aristo
;
; APPLICANT: Mordechai, Eli
;
; TITLE OF INVENTION: RIBONUCLEASE L INHIBITOR AS
;
; TITLE OF INVENTION: AN INDICATOR OF CHRONIC FATIGUE SYNDROME
;
; NUMBER OF SEQUENCES: 8
;
; CORRESPONDENCE ADDRESS:
;

```

ADDRESS: Knobb, Martens, Olson & Bear
 STREET: 620 Newport Center Drive, 16th floor
 CITY: Newport Beach
 STATE: CA
 COUNTRY: U.S.A.
 ZIP: 92660
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEO Version 1.5
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/783,275
 FILING DATE: 15-JAN-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/727,708
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Battfield, Neil S
 REGISTRATION NUMBER: 39,901
 REFERENCE/DOCKET NUMBER: IMSCI.001A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-235-8550
 TELEFAX: 619-235-0176
 TELEX:
 INFORMATION FOR SEQ. ID NO.: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 576 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear

US-08-783-275-3

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| Query Match | 9.0%; | Score 156.6; | DB 1; | Length 576; |
| Best Local Similarity | 70.0%; | Pred. No. 1.7e-31; | | |
| Matches 226; | Conservative 0; | Mismatches 94; | Indels 3; | Gaps 1; |

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| QY | 749 | GGATTCACGACCCGGAGAAATCCCTGACCTGCTGCGAAAAAGGGGAGACCGCTGCCCCAGCCCC | 808 |
| Db | 1 | GGATTCGCCGAGAAATATCTCTCCGCTTTGGAGAAAGGAGAGACGTTTGGCCAGCCAC | 60 |
| QY | 809 | CCATTCGACCACTTGATGATGTCTACACTATATCATNGTCATCAATGTGGATGATGACTGTGAT | 868 |
| Db | 61 | CCATTTTGACCATTTGATGTGTACATATGATCATAGTCGTAATGCTGGATGTATGATGACAGACA | 120 |
| QY | 869 | GTCGGCCAAAGATTCGCGGAGTTGGTGTGTCTGAATTTCTCCCGCATGCGCAGGAGCCCCAGC | 928 |
| Db | 121 | GCCGTCCCAAATTTCTGTAGAGCTGATGTGACAGAGTTCTCCAAATAATGGCTGTGACCTTCCCC | 180 |
| QY | 929 | GCTTTGTGTATTCAG---AATAGAGACTTTGGGGCCAGCCGATGCCCTTGGACAGCACT | 985 |
| Db | 181 | GCTATCTTTGTATATCAGGGAGATATAAGATATGCACCTTGCTTAGGCCCTTACAGATTTCCAACT | 240 |
| QY | 986 | TCTACCGGCTCACTCTGTGAGGACGATGACATGAGGGGAGACTGTGTGATATCTGAGAGATATC | 1045 |
| Db | 241 | TTTATTCGACCCCTGATGTGAGGAGGAGCATGTGAAGAATCTGTGTGATGTCAGATAGATATC | 300 |
| QY | 1046 | TGATACCCCGACAGGCTTTCTTC | 1068 |
| Db | 301 | TTGTCCACACACAGGCTTTTTC | 323 |

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RESULT 37
US-08-727-708-3
; Sequence 3, Application US/08727708
; Patent No. 5776590
;
; GENERAL INFORMATION:
;
; APPLICANT: Vojdani, Aristo
; APPLICANT: Mordeschi, Eli
;
; TITLE OF INVENTION: RBOUNUCEASE I INHIBITOR AS
;
; TITLE OF INVENTION: AN INDICATOR OF CHRONIC FATIGUE SYNDROME
;
; TITLE OF INVENTION: E

```



```

; APPLICANT: Mordechai, Eli
; TITLE OF INVENTION: Detection of Chronic Fatigue
; TITLE OF INVENTION: Syndrome
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/843,951
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/766,677
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: INSCI.002A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714/760-0404
; TELEFAX: 714/760-9503
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 576 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-843-951-1

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Best Local Similarity 70.0%; Pred. No. 1.7e-31;
Matches 226; Conservative 0; Mismatches 94; Indels 3; Gaps 1;

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QY      809  CCATCTGCACCAATTGATGTCTACATGATCATGTGTCAAATGTTGATGATGACTCTGAAT      868
DB      61    CCATTGTGACCATGATGTGTACATGATCATGTGTCAAATGCTGGATGATGATGACACA      120
QY      869  GTCCGGCCAAAGTCCGGGAGTGTGCTGTAATTCCTCCGATGCGCCAGGGACCCCGCAGC      928
DB      121  GCCGTCCTCAAGTTTGTGATGAGCTGATGTCAGAGTTCTCCAAAATGCTGTCGATCCCTCCC      180
QY      929  GCTTTGTCATCCAG--AATGAGACTTGGGCCCAAGTCCTTGGACAGCACT      985
DB      181  GCTATCTTGTATACAGGAGATGAAAGATGCACTTCCCTTACAGATTTCCAGT      240
QY      986  TCTACCGCTCACTGCTGAGAGACGATGACATGGGGGACCTGGTGTGATCTGAGAGTATC      1045
DB      241  TTTATCGCACCTGTATGAGAGGAGACATGAAAGACATGTGTGATCAAGTATGATC      300
QY      1046 TGGTACCCGACAGAGGCTTTCTTC      1068
DB      301  TTGTCCACACCGAGGCTTTTTC      323

RESULT 40
US-09-799-451-448
; Sequence 448, Application US/09799451
; Patent No. 6783969
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; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Zhou, Ping
; APPLICANT: Goodrich, Ryle
; APPLICANT: Asundi, Vinod
; APPLICANT: Ren, Feiyan
; APPLICANT: Zhang, Jie
; APPLICANT: Xue, Aidong J.
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Ma, Yungqing
; APPLICANT: Yamazaki, Victoria
; APPLICANT: Chen, Rui-hong
; APPLICANT: Wang, Zhiwei
; APPLICANT: Wang, Dumrui
; APPLICANT: Yang, Yonghong
; APPLICANT: Wehrman, Tom
; APPLICANT: Ghosh, Reena
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6783969e1 Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 803
; CURRENT APPLICATION NUMBER: US/09/799,451
; CURRENT FILING DATE: 2001-03-05
; NUMBER OF SEQ ID NOS: 948
; SOFTWARE: pt_fl_genes Version 2.0
; SEQ ID NO 448
; LENGTH: 4871
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(3015)
; US-09-799-451-448

Query Match      8.7%; Score 150.8; DB 4; Length 4871;
Best Local Similarity 50.4%; Pred. No. 1.5e-29;
Matches 449; Conservative 0; Mismatches 432; Indels 9; Gaps 3;

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QY      202  GGGGAGAAATGTAATAATTCAGTGGCCATCAAACTGTTGAGGGAAAAACATCCCCAAA      261
DB      1669  CCAGGAGAGGGAGTGTGCCCTGTGGCCATCAAGGCCCTCAAAGCCGGCTACACGAGAGA      2028
QY      262  GCCAACAAAGAAATCTTAGACAGATGATGCTGATGCTGTGGGCTCCCATATGTC      321
DB      2029  CAGAGGGCGGAGCTTCCGTGAGGAGGCGTTCATCTATGAGGCAATTGACATCCCAATC      2088
QY      322  TCCGCGCTTCGGG---CATCTGCTGACATCCAGGTGACGTGTGACACAGCTTATG      378
DB      2089  ATCCGCTTCAGAGGTGTGTGACACCTTCCTGAGACCCAGCGGCGCTGCAATGTGTGATGATG      2148
QY      379  CCTATGAGCTGCTCTTAGACATGTCGGGAAAAACCGGAGCGCTGGGCTCCAGGAC      438
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QY      439  CTGCTGAATGTGTATGACATTTGCCAAGGGATGAGCTTACTGAGAGATGTGGGCTC      498
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QY      499  GTACACAGGAGCTTGGCGCTCGGACGATGCTGTGCTCAAGAGTCCCAACATGTCAAAAT      558
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QY      559  ACAGACTTGGGCTGTGGCTGTGCTGTGAGCAATTGAC--GAGACAGATACATGACAT      615
DB      2329  TCTGATTTGGGCTCTCACGGGTGTCTGAGAGAGACCCGAGTGTGCTTACACACACG      2388
QY      616  GGGGCAAGGTGCCCATCAAGTGAATGGCGCTGAGTTCATTTCCGCGCGGCTTACG      675
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Qy      736  AAACCTTACGATGGGATCCCAAGCCGGGAGATCCCTGACCTGTGAAAAAGGGGAGCGG 795
Db      2509 CCGCCTTACTGGACATGACCAACCGGGATGTATCATCAGCTCTGTGGAGAGGGGTACCGC 2568
Qy      796  CTGCCCCAGCCCCCATCTGACACATTAATGTCTATCATGATCATGTCAATGTGGATG 855
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Qy      856  ATTGACTGAAATGTGGCCAAAGATTCCGGAGTTGTGTGAAATTCTCCGCAATGGCC 915
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Qy      916  AGGACCCCCAGCGCTTTGTGTGTCATCCAGAAATGAGACTTGGGCCAGCCAGTCCCTTG 975
Db      2689 CGCAGCCCTGAGAGTCTCAGGGCCACCGCCACAGTCAGCAGGTGCCCACTCCCTGCTTC 2748
Qy      976  GACAGCAGCTTCTACCGCTCACTGCTGAGAGAGATGACATGGGGACCT 1025
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 Job time : 165 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 23, 2005, 01:18:48 ; Search time 988 Seconds
(without alignments)
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Sequence: 1 AAGCGACGCGACGACGAGAT.....TGGGTCTGACGTGCGCAGTG 1740

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Searched: 4300275 seqs, 2872944193 residues

Total number of hits satisfying chosen parameters: 8600550

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 150 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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| 1 | 1740 | 100.0 | 3768 9 | US-09-765-973-1 |
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| 3 | 1740 | 100.0 | 3768 9 | US-09-930-125-1 |
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| 8 | 1740 | 100.0 | 4473 15 | US-10-101-510-81 |
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| 33 | 1738.4 | 99.9 | 4530 17 | US-10-734-564-59 |
| 34 | 1738.4 | 99.9 | 4530 17 | US-10-657-022-91 |
| 35 | 1738.4 | 99.9 | 4642 14 | US-10-198-846-10896 |
| 36 | 1738.4 | 99.9 | 9274 9 | US-09-811-123-7 |
| 37 | 1738.4 | 99.9 | 9274 9 | US-09-811-115-1 |
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| 43 | 1473.6 | 84.7 | 5125 18 | US-10-723-660-4619 |
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| 45 | 1396.6 | 80.3 | 3955 9 | US-09-854-356-10 |
| 46 | 1396.6 | 80.3 | 3955 10 | US-09-751-708A-117 |
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| Sequence 1130, Ap |

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| 88 | 484.2 | 27.8 | 2400 | 16 | US-10-101-510-51 |
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| 90 | 383.8 | 22.1 | 507 | 10 | US-09-911-904-116 |
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| 92 | 353 | 20.3 | 1046 | 9 | US-09-925-301-380 |
| 93 | 349.6 | 20.1 | 1986 | 17 | US-10-384-339C-53 |
| 94 | 349.6 | 20.1 | 4026 | 15 | US-10-207-498-1 |
| 95 | 349.6 | 20.1 | 4879 | 14 | US-10-172-620-13 |
| 96 | 349.6 | 20.1 | 4879 | 15 | US-10-101-510-137 |
| 97 | 349.6 | 20.1 | 4879 | 15 | US-10-388-410-6 |
| 98 | 349.6 | 20.1 | 4879 | 15 | US-10-116-275-326 |
| 99 | 349.6 | 20.1 | 4879 | 16 | US-10-440-464-156 |
| 100 | 349.6 | 20.1 | 4905 | 16 | US-10-693-030-3 |
| 101 | 349.6 | 20.1 | 4975 | 9 | US-09-880-107-2342 |
| 102 | 349.6 | 20.1 | 4975 | 15 | US-10-341-434-78 |
| 103 | 349.6 | 20.1 | 4975 | 15 | US-10-172-118-708 |
| 104 | 349.6 | 20.1 | 4975 | 15 | US-10-388-360-555 |
| 105 | 349.6 | 20.1 | 4975 | 15 | US-10-295-027-1021 |
| 106 | 349.6 | 20.1 | 4975 | 15 | US-10-342-887-708 |
| 107 | 349.6 | 20.1 | 4975 | 18 | US-10-723-860-2184 |
| 108 | 349.6 | 20.1 | 5687 | 10 | US-09-919-039-268 |
| 109 | 349.6 | 20.1 | 5687 | 15 | US-10-101-510-446 |
| 110 | 349.6 | 20.1 | 5893 | 10 | US-09-814-353-21337 |
| 111 | 336.2 | 19.3 | 5206 | 18 | US-10-723-860-6428 |
| 112 | 335.2 | 19.3 | 4134 | 18 | US-10-749-104-21 |
| 113 | 335.2 | 19.3 | 4281 | 18 | US-10-749-104-23 |
| 114 | 335.2 | 19.3 | 4281 | 18 | US-10-749-104-24 |
| 115 | 306.8 | 17.6 | 455 | 10 | US-09-918-995-14628 |
| 116 | 295.2 | 17.0 | 1437 | 17 | US-10-384-339C-54 |
| 117 | 272 | 15.6 | 519 | 9 | US-09-925-301-642 |
| 118 | 264.8 | 15.2 | 343 | 15 | US-10-007-926A-118 |
| 119 | 264.8 | 15.2 | 343 | 15 | US-10-007-926A-444 |
| 120 | 257.2 | 14.8 | 552 | 15 | US-10-029-386-2644 |
| 121 | 254.8 | 14.6 | 264 | 15 | US-10-029-386-16344 |
| 122 | 236.2 | 13.6 | 405 | 16 | US-10-264-049-856 |
| 123 | 213.8 | 12.3 | 237 | 18 | US-10-425-115-32998 |
| 124 | 197.4 | 11.3 | 599 | 15 | US-10-029-386-2875 |
| 125 | 179.2 | 10.3 | 480 | 14 | US-10-066-543-1838 |
| 126 | 163 | 9.4 | 2184 | 9 | US-09-728-952-82 |
| 127 | 163 | 9.4 | 2184 | 16 | US-10-302-812-55 |
| 128 | 163 | 9.4 | 2184 | 17 | US-10-775-920-55 |
| 129 | 163 | 9.4 | 2403 | 11 | US-09-997-722-111 |
| 130 | 163 | 9.4 | 2421 | 11 | US-09-997-722-114 |
| 131 | 163 | 9.4 | 2421 | 17 | US-10-384-339C-86 |
| 132 | 163 | 9.4 | 2427 | 16 | US-10-403-161-59 |
| 133 | 163 | 9.4 | 2490 | 16 | US-10-403-161-57 |
| 134 | 163 | 9.4 | 2520 | 16 | US-10-630-401-3 |
| 135 | 163 | 9.4 | 2520 | 17 | US-10-775-920-56 |
| 136 | 163 | 9.4 | 2520 | 17 | US-10-775-920-56 |
| 137 | 163 | 9.4 | 2887 | 11 | US-09-997-722-110 |
| 138 | 163 | 9.4 | 3757 | 17 | US-10-775-920-58 |
| 139 | 163 | 9.4 | 4093 | 11 | US-09-997-722-113 |
| 140 | 163 | 9.4 | 4093 | 17 | US-10-775-920-54 |
| 141 | 163 | 9.4 | 4118 | 18 | US-10-723-860-5997 |
| 142 | 163.8 | 9.4 | 491 | 10 | US-09-918-995-15122 |
| 143 | 161.4 | 9.3 | 3829 | 10 | US-09-953-047-10 |
| 144 | 161.4 | 9.3 | 3829 | 11 | US-09-968-007A-392 |
| 145 | 161.4 | 9.3 | 3829 | 16 | US-10-240-425-1329 |
| 146 | 161.4 | 9.3 | 3829 | 16 | US-10-630-401-10 |
| 147 | 161.4 | 9.3 | 3829 | 17 | US-10-450-826-100 |
| 148 | 161.4 | 9.3 | 3829 | 17 | US-10-775-920-53 |
| 149 | 160.8 | 9.2 | 3042 | 17 | US-10-384-339C-2 |
| 150 | 160.8 | 9.2 | 3921 | 10 | US-09-921-406C-29 |

ALIGNMENTS

RESULT 1
US-09-765-973-1
; Sequence 1, Application US/09765973

| | |
|----------------------------|--|
| ; | Publication No. US20020039573A1 |
| ; | GENERAL INFORMATION: |
| ; | APPLICANT: Cheever, Martin A. |
| ; | APPLICANT: Hand-Zimmermann, Susan |
| ; | TITLE OF INVENTION: COMPOUNDS AND METHODS FOR PREVENTION AND |
| ; | TITLE OF INVENTION: TREATMENT OF HER-2/neu ASSOCIATED MALIGNANCIES |
| ; | FILE REFERENCE: 210121.496 |
| ; | CURRENT APPLICATION NUMBER: US/09/765,973 |
| ; | CURRENT FILING DATE: 2001-01-19 |
| ; | NUMBER OF SEQ ID NOS: 4 |
| ; | SOFTWARE: FastSeq for Windows Version 3.0 |
| ; | SEQ ID NO 1 |
| ; | LENGTH: 3768 |
| ; | TYPE: DNA |
| ; | ORGANISM: Homo sapien |
| ; | FEATURE: |
| ; | NAME/KEY: CDS |
| ; | LOCATION: (1)...(3765) |
| US-09-765-973-1 | |
| Query Match | 100.0%; Score 1740; DB 9; Length 3768; |
| Best Local Similarity | 100.0%; Pred. No. 0; |
| Matches 1740; Conservative | 0; Mismatches 0; Indels 0; Gaps 0; |
| OY | 1 AAGCGACGCGACGAGAAAGATCCGAAGTACACGATGCGGAGACTGCTGCAGAAACGAG 60 |
| DB | 2026 AAGCGACGCGACGAGAAAGATCCGAAGTACACGATGCGGAGACTGCTGCAGAAACGAG 2085 |
| OY | 61 CTGGTGAACCGCGTGAACCCGATAGGCGGACGATGCGCAACGAGGCGAGATCGGATCCTG 120 |
| DB | 2086 CTGGTGAACCGCGTGAACCCGATAGGCGGACGATGCGCAACGAGGCGAGATCGGATCCTG 2145 |
| OY | 121 AAAGAGACGAGCTGAGGAAGGTGAAGTGGATCTGCGCTTTTGGACAGCTTAC 180 |
| DB | 2146 AAAGAGACGAGCTGAGGAAGGTGAAGTGGATCTGCGCTTTTGGACAGCTTAC 2205 |
| OY | 181 AAGGCGATCTGGATCTCTGATGGGAGATGTGAAAATTCAGTGGCCATTAAGTTTG 240 |
| DB | 2206 AAGGCGATCTGGATCTCTGATGGGAGATGTGAAAATTCAGTGGCCATTAAGTTTG 2265 |
| OY | 241 AGGAAAAACATCCCAAAAGCAAGAAATCTTAAAGCAAGATAGGATGACT 300 |
| DB | 2266 AGGAAAAACATCCCAAAAGCAAGAAATCTTAAAGCAAGATAGGATGACT 2325 |
| OY | 301 GGTGTGGGCTCCCATATGTCTCCGCTTCTGGGCACTTGCATCCACGATGCGAG 360 |
| DB | 2326 GGTGTGGGCTCCCATATGTCTCCGCTTCTGGGCACTTGCATCCACGATGCGAG 2385 |
| OY | 361 CTGTGACACAGCTTATATGCTTATGCTGCTCTTAAACATGTCCGGAAAAACCGCGGA 420 |
| DB | 2386 CTGTGACACAGCTTATATGCTTATGCTGCTCTTAAACATGTCCGGAAAAACCGCGGA 2445 |
| OY | 421 CGCTTGGGCTCCAGGACCTGCTGAATGTGTATGACATTTGCCAAGGGATAGCTAC 480 |
| DB | 2446 CGCTTGGGCTCCAGGACCTGCTGAATGTGTATGACATTTGCCAAGGGATAGCTAC 2505 |
| OY | 481 CTGAGGATGTCGGGCTGTCACACAGGAGACTTGGCCGCTCGGAAAGTCTGCTCAAGAGT 540 |
| DB | 2506 CTGAGGATGTCGGGCTGTCACACAGGAGACTTGGCCGCTCGGAAAGTCTGCTCAAGAGT 2565 |
| OY | 541 CCACACATGTCAAAATTTACAGACTTGGGCTGCTGCTGCTGCTGACATTTGACAGACA 600 |
| DB | 2566 CCACACATGTCAAAATTTACAGACTTGGGCTGCTGCTGCTGCTGACATTTGACAGACA 2625 |
| OY | 601 GAGTACCATGAGATGGGGGCAAGGTGCCATCAAGTGAATGGGCTGAGATCCATTTC 660 |
| DB | 2626 GAGTACCATGAGATGGGGGCAAGGTGCCATCAAGTGAATGGGCTGAGATCCATTTC 2685 |
| OY | 661 CGCCGGGGGTTCACCCACACAGAGTATGTGTGAGTTATGGTGTGATCTGTGGAGCTG 720 |
| DB | 2686 CGCCGGGGGTTCACCCACACAGAGTATGTGTGAGTTATGGTGTGATCTGTGGAGCTG 2745 |
| OY | 721 ATGACTTTTGGGGCCAAACCTTACGATGGATCCAGCCCGGAGATCCCTGACTGCTG 780 |

Db 2746 ATGATCTTTGGGGCCAAACCTTACGATGGGATCCAGCCGGGAGATCCCTGACCTGCG 2805
Qy 761 GAAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGACACCATGATGTCTACATGATCATG 840
Db 2806 GAAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGACACCATGATGTCTACATGATCATG 2865
Qy 841 GTCAAAATGTGGATGATGATCTCTGAAATGTCCGCCAAGATTCGGGAGTTGTGTCTGAA 900
Db 2866 GTCAAAATGTGGATGATGATCTCTGAAATGTCCGCCAAGATTCGGGAGTTGTGTCTGAA 2925
Qy 901 TTTCTCCGATGCGCAGGAGCCCCAGCGCTTTGTGTCTCTCAAGATGAGCATTTGGGC 960
Db 2926 TTTCTCCGATGCGCAGGAGCCCCAGCGCTTTGTGTCTCTCAAGATGAGCATTTGGGC 2985
Qy 961 CCAGCAGTCCCTTGGAGACGACCTTCTACCGCTGACCTGAGAGAGATGACATGGGG 1020
Db 2986 CCAGCAGTCCCTTGGAGACGACCTTCTACCGCTGACCTGAGAGAGATGACATGGGG 3045
Qy 1021 GACCTGTGATGCTGAGGAGATCTGTATCCCGACGAGGGCTTCTGTCTGACAGCCT 1080
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Qy 1081 GCGCGGGGCGTGGGGGCGATGCTCAACAGGACCCGAGCTCATCTACAGAGTGGC 1140
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Qy 1141 GGTGGGGGCTGACCTAGAGGGGTGAGGCGCTCTGAAAGAGAGAGAGAGAGAGAGAGAG 1200
Db 3166 GGTGGGGGCTGACCTAGAGGGGTGAGGCGCTCTGAAAGAGAGAGAGAGAGAGAGAGAG 3225
Qy 1201 GCACCTCCGAAAGGGGCTGCTGCTGATGATTTGATGATGATGATGATGATGATGATGATG 1260
Db 3226 GCACCTCCGAAAGGGGCTGCTGCTGATGATTTGATGATGATGATGATGATGATGATGATG 3285
Qy 1261 AAGGGGCTGCAAAAGCTTCCCAACATGACCCAGCCCTCTACAGCGGTACAGTAGAGAC 1320
Db 3286 AAGGGGCTGCAAAAGCTTCCCAACATGACCCAGCCCTCTACAGCGGTACAGTAGAGAC 3345
Qy 1321 CCCACAGTACCCCTGCTGAGACTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTG 1380
Db 3346 CCCACAGTACCCCTGCTGAGACTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTG 3405
Qy 1381 CAGCTGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1440
Db 3406 CAGCTGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3465
Qy 1441 CCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1500
Db 3466 CCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3525
Qy 1501 GGGAAAGATGGGGTGTCAAAAGCGTTTTTGTGGGGGTGCGGTGAGAAACCCCGAG 1560
Db 3526 GGGAAAGATGGGGTGTCAAAAGCGTTTTTGTGGGGGTGCGGTGAGAAACCCCGAG 3585
Qy 1561 TACTTGACACCCAGAGAGAGCTGCCCCAGCCCAACCTCTCTGCTGCTGAGCCCA 1620
Db 3586 TACTTGACACCCAGAGAGAGCTGCCCCAGCCCAACCTCTCTGCTGCTGAGCCCA 3645
Qy 1621 GCGTTGACAACTTCTATTAATGAGACAGAGCCAGAGAGAGAGAGAGAGAGAGAGAGAG 1680
Db 3646 GCGTTGACAACTTCTATTAATGAGACAGAGCCAGAGAGAGAGAGAGAGAGAGAGAGAG 3705
Qy 1681 ACCTTCAAAAGGAGACCTTACGAGAGAAACCAAGATACCTGGGTCTGAGACGTGCAGTG 1740
Db 3706 ACCTTCAAAAGGAGACCTTACGAGAGAAACCAAGATACCTGGGTCTGAGACGTGCAGTG 3765

RESULT 2
US-09-854-356-9
; Sequence 9, Application US/09854356
; Patent No. US2002017567A1
; GENERAL INFORMATION:

APPLICANT: Cheever, Martin A.
APPLICANT: Gheysen, Dirk
APPLICANT: Corixa Corporation
APPLICANT: SmithKline Beecham Biologicals S. A.
TITLE OF INVENTION: HER-2/neu Fusion Proteins
FILE REFERENCE: 014058-009810PC
CURRENT APPLICATION NUMBER: US/09/854.356
PRIORITY FILING DATE: 2001-05-09
PRIORITY APPLICATION NUMBER: US 09/493,480
PRIORITY FILING DATE: 2000-01-28
PRIORITY APPLICATION NUMBER: US 60/117,976
PRIORITY FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 26
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 9
LENGTH: 3768
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(3768)
OTHER INFORMATION: human HER-2/neu protein
NAME/KEY: misc feature
LOCATION: (1)..(1959)
OTHER INFORMATION: extracellular domain (ECD) of human HER-2/neu
NAME/KEY: misc feature
LOCATION: (1202)..(3765)
OTHER INFORMATION: intracellular domain (ICD) of human HER-2/neu
NAME/KEY: misc feature
LOCATION: (2968)..(3765)
OTHER INFORMATION: phosphorylation domain (PD) of human HER-2/neu
NAME/KEY: misc feature
LOCATION: (12968)..(3144)
OTHER INFORMATION: preferred portion of the phosphorylation domain
OTHER INFORMATION: (delta PD) of human HER-2/neu
US-09-854-356-9
Query Match 100.0%; Score 1740; DB 9; Length 3768;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 AAGCAGCGGACGAGAGATCCGAAATGACAGATGCGGAGACTGCTGAGAGAAACGAG 60
Db 2026 AAGCAGCGGACGAGAGATCCGAAATGACAGATGCGGAGACTGCTGAGAGAAACGAG 2085
Qy 61 CTGTGAGAGCGGCTGACACCTTACGAGAGAGATGCGGACCAACGAGCGGATGCTG 120
Db 2086 CTGTGAGAGCGGCTGACACCTTACGAGAGAGATGCGGACCAACGAGCGGATGCTG 2145
Qy 121 AAGAGACGAGCTGAGAGAGTGAAGGTGCTGAGTCTGCGCTTTTGGCAGACTTAC 180
Db 2146 AAGAGACGAGCTGAGAGAGTGAAGGTGCTGAGTCTGCGCTTTTGGCAGACTTAC 2205
Qy 181 AAGGCACTGTGATCCCTGATGGGAGATGAAATTCAGATGGCCATCAAACTGTTG 240
Db 2206 AAGGCACTGTGATCCCTGATGGGAGATGAAATTCAGATGGCCATCAAACTGTTG 2265
Qy 241 AAGGAAACACATCCCGCAAGCCCAACAAAGAAATCTTACAGAGCATAGTATGCT 300
Db 2266 AAGGAAACACATCCCGCAAGCCCAACAAAGAAATCTTACAGAGCATAGTATGCT 2325
Qy 301 GGTGTGGGCTCCCATATGTCCTCCGCTTCTGAGGATCTGCTGAGATCCAGCGTGGAG 360
Db 2326 GGTGTGGGCTCCCATATGTCCTCCGCTTCTGAGGATCTGCTGAGATCCAGCGTGGAG 3385
Qy 361 CTGTGACACAGCTTATGCTGATGCTGCTTGAACATGTCGAGGAGAAACCGCGGA 420
Db 2386 CTGTGACACAGCTTATGCTGATGCTGCTTGAACATGTCGAGGAGAAACCGCGGA 2445
Qy 421 CGCTGGGCTCCAGAGACTGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTG 480
Db 2446 CGCTGGGCTCCAGAGACTGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATGCTG 2505

| | | | |
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| OY | 481 | TTGGAGAGATGTCGGGCTGTGTACACAGGGACTTGGCCGCTCGGAACGTGTGTCAAGGT | 540 |
| Db | 2506 | CTGGAGGATGTGCGCGCTGTGTACAGGGAACTTGGCCGCTCGGAACGTGTGTCAAGGT | 2565 |
| OY | 541 | CCCAACCATGTGTCAAAATTTACAGACTTGGGGCTGGCTCGGCTGTGGAATTGTGACGAGCA | 600 |
| Db | 2566 | CCCAACCATGTGTCAAAATTTACAGACTTGGGGCTGGCTCGGCTGTGGAATTGTGACGAGCA | 2625 |
| OY | 601 | GAGTACCATGACAGATGGGGGGCAAGGTGCCCCATCAAGTGAATGGCGCTGGAATTCATTTC | 660 |
| Db | 2626 | GAGTACCATGACAGATGGGGGGCAAGGTGCCCCATCAAGTGAATGGCGCTGGAATTCATTTC | 2685 |
| OY | 661 | CGCGGGCGGTTCAACCCACAGAGTATGTGTGAGATTATGTGTGTACCTGTGTGGAGCTG | 720 |
| Db | 2686 | CGCGGGCGGTTCAACCCACAGAGTATGTGTGAGATTATGTGTGTACCTGTGTGGAGCTG | 2745 |
| OY | 721 | ATGACTTTTGGGGGCCCAACCTTACAGATGGATATCCAGGCCGGAGAGATCCCTGACCTGTG | 780 |
| Db | 2746 | ATGACTTTTGGGGGCCCAACCTTACAGATGGATATCCAGGCCGGAGAGATCCCTGACCTGTG | 2805 |
| OY | 781 | GAAGAGGGGGAGCGGCTGCCCCAGGCCCCCACTGTGACCAATTGATGTCTACATGATCATG | 840 |
| Db | 2806 | GAAGAGGGGGAGCGGCTGCCCCAGGCCCCCACTGTGACCAATTGATGTCTACATGATCATG | 2865 |
| OY | 841 | GTCAAAATTTGGATGTATGTACTCTGTGAATGTGGGCCAAGATTCGGGAGTTGTGTCTGAA | 900 |
| Db | 2866 | GTCAAAATTTGGATGTATGTACTCTGTGAATGTGGGCCAAGATTCGGGAGTTGTGTCTGAA | 2925 |
| OY | 901 | TTCTCCGCGATGGCCAGGGAACCCCGAGGCTTTGTGTGTATCCAGAAATGAAGAACTTGGGC | 960 |
| Db | 2926 | TTCTCCGCGATGGCCAGGGAACCCCGAGGCTTTGTGTGTATCCAGAAATGAAGAACTTGGGC | 2985 |
| OY | 961 | CCAGCCAGTCCCTTGGACAGCACTTCTACCGCTACTGTCTGTGAGAGCAGATGACATGGGG | 1020 |
| Db | 2986 | CCAGCCAGTCCCTTGGACAGCACTTCTACCGCTACTGTCTGTGAGAGCAGATGACATGGGG | 3045 |
| OY | 1021 | GACTGTGTGTATGCTGTGAGAGATATTTGGTATCCCAAGCAGGGCTTCTTGTGTCCAGACCT | 1080 |
| Db | 3046 | GACTGTGTGTATGCTGTGAGAGATATTTGGTATCCCAAGCAGGGCTTCTTGTGTCCAGACCT | 3105 |
| OY | 1081 | GCCCCGGGCGCTGGGGGGAGATGGTCCACACAGGGCACCGCACTCATCTACACAGAGTGGC | 1140 |
| Db | 3106 | GCCCCGGGCGCTGGGGGGAGATGGTCCACACAGGGCACCGCACTCATCTACACAGAGTGGC | 3165 |
| OY | 1141 | GGTGGGGACCTGACACTAGAGGGCTGTGAGCCCTGTGAAGAGAGGGCCCCAGGCTTCTCACTG | 1200 |
| Db | 3166 | GGTGGGGACCTGACACTAGAGGGCTGTGAGCCCTGTGAAGAGAGGGCCCCAGGCTTCTCACTG | 3225 |
| OY | 1201 | GCACTCTTCGAAGGGGGCTGGCTCCGATGTATTGTATGTGTATCTGTGGAATGGGGCAGCC | 1260 |
| Db | 3226 | GCACTCTTCGAAGGGGGCTGGCTCCGATGTATTGTATGTGTATCTGTGGAATGGGGCAGCC | 3285 |
| OY | 1261 | AAGGGGCTGCAAAAGCTCCCAACACATGACCCCAAGCCCTCTACAGCGGTACAGTGAAGAC | 1320 |
| Db | 3286 | AAGGGGCTGCAAAAGCTCCCAACACATGACCCCAAGCCCTCTCTACAGCGGTACAGTGAAGAC | 3345 |
| OY | 1321 | CCCAACAGTACCCCTGCGCTCTGTGAGACTATGGCTATGTTGCCCCCTGACTGTGACGCC | 1380 |
| Db | 3346 | CCCAACAGTACCCCTGCGCTCTGTGAGACTATGGCTATGTTGCCCCCTGACTGTGACGCC | 3405 |
| OY | 1381 | CAGCCTGAATATGTGAACCAAGCCAGATGTTGGGCCCAAGCCCTTGTGCCCTCGAGAGGGC | 1440 |
| Db | 3406 | CAGCCTGAATATGTGAACCAAGCCAGATGTTGGGCCCAAGCCCTTGTGCCCTCGAGAGGGC | 3465 |
| OY | 1441 | CCTCTGCTGTGCTGCCCACTGTGTGTGTGCCACTGTGAAAGGCCCAAGACTCTCTCCCCA | 1500 |
| Db | 3466 | CCTCTGCTGTGCTGCCCACTGTGTGTGTGCCACTGTGAAAGGCCCAAGACTCTCTCCCCA | 3525 |
| OY | 1501 | GGAAAGATGGGGTGTGTCAAAAGACGTTTGTGGCTTTGGGGGGGCGGTGGAAGAACCCGAG | 1560 |
| Db | 3526 | GGAAAGATGGGGTGTGTCAAAAGACGTTTGTGGCTTTGGGGGGGCGGTGGAAGAACCCGAG | 3585 |
| OY | 1561 | TACTTGAACCCCAAGGAGAGGTGCCCCCTGACGCCCACTCTCTTGTGCTTACGCCA | 1620 |

| Accession | Sequence | Length |
|-----------|--|--------|
| Db | 3586 TACTTGAACCCACGGAGAGCTGCCCCCTGAGCCCACTCTCTGCTTCAGCCCA | 3645 |
| Qy | 1621 GCCTTCGACACCTCTATTACTGGACACGACCACAGAGCGGGGGCTCCACCCAGC | 1680 |
| Db | 3646 GCCTTCGACACCTCTATTACTGGACACGACCACAGAGCGGGGGCTCCACCCAGC | 3705 |
| Qy | 1661 ACCTTCAAGGGAACCTTACGGCAGAACCCAGTAACTCGGTCTGAACTGCGCAGTG | 1740 |
| Db | 3706 ACCTTCAAGGGAACCTTACGGCAGAACCCAGTAACTCGGTCTGAACTGCGCAGTG | 3765 |

RESULT 3
HS-09-93

Sequence 1, Application US/09930125

; Publication No. US20020193329A1
; GENERAL INFORMATION:

APPLICANT: Hand-Zimmerman, Susan
APPLICANT: Cheever, Martin A.

APPLICANT: Foy, Teresa M.
APPLICANT: Foy, Michael J.

APPLICANT: Kalos, Michael D.

APPLICANT: McNeill, Patricia D.
APPLICANT: Vedvick, Thomas S.

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FILE REFERENCE: 210121.544
CURRENT ADDICTION NUMBER

; CURRENT FILING DATE: 2001-08-14
 ; CURRENT AFFILIATION NUMBER: 03/03/550,123

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; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0.0
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; SEQ ID NO 1
;
; LENGTH: 3768

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TYPE: DNA
OCCASION: Home

ORGANISM: *Helicobacter pylori*

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; NAME/KEY: CDS
; LOCATION: (1)...(3765)
;

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US-09-930-125-1

| Query Match | Score | DB 9; | Length |
|-------------|-------|-------|--------|
| 100.0%; | 1740; | | 3768; |

Best local similarity 100.0%; Freq. no. 0;
Matches 1740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAGCAGCGCAGCAGAGATCCGGAGTACAGATCCGAGACTGCTGCAGGAACGAG 60

2026 AAGCGACGCGAGAGATCCGGAATGACGATGCGGAGCTGCTGACGGAACGGAG 20

[illegible][illegible]

Db 2086 CTGCTGAGCCCGCTGACACCTAGCCGAGCGATGCCCAACCAAGCCGACAGTCCGATCCTG 21

121 AAGAGACGAGCTGAGGAAGTGAAGGTGCTTGGATCTGGCGCTTTTGGCACAAGTCTAC 18

Db 2146 AAGAGACGGAGCTGAGGAAAGTGAAGTGTGGATCTGGCGCTTTGGACAGTTCAC 22

181 AAGGCATCTGGATCCGTGATGGGAGAGATGTGAAAATTCCAGTGGCCATCAAGTGTG 24

Db 2206 AAGGCATCTGGATCCCTGATGGGAGAAATGTGAAAATTCACAGTGGCCATCAAAGTGTG 22

341 AGGGAACACATCCCCCAAGCCACACAAGAATTCTTAGACGAAGCATACCTGATGGCT 30

[illegible]

4256 AGGGAAACACACATCCCCACAGGCACACACAGGAAATCTTAGACGAGGCAATACGATGATGGCCT 23

301 GGTTGGGCTCCCATATGTCCTCCGCCCTCTGGGGCATCTGCCGTACATCCACGGGTGAC 36

Db 2326 GGTGTGGGCTCCCAATATGTCCTCCGCTTCTGGGATCTGCTGACATCCACGGTGCAG 23

361 CTGCTGACACAGCTTATGCCCTATGGCTGCTCTTAGACCATGTCGGGAAAACCGCGGA 422

Db 2386 CTGGTACACAGCTTATGCCCTATGGCTGCTCTTAGACCATGTCCGGAAACCGCGA 24

421 CGCCTGGGCTCCAGGACCTGCTGAACCTGGTGATGCAGATTGCCAAGGGGATGAGCTAC 48

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Db 2446 CGCCGGGCTCCAGAGACTGCTGAACTGTGTATGACAGATTGCCAAGGGGATGAGTAC 2505
Qy 481 CTGGAGATGTCGGGCTGTACAGAGGACTTTGGCGCGCTGGGAAGTGTGTTCAAGAGT 540
Db 2506 CTGGAGATGTCGGGCTGTACAGAGGACTTTGGCGCGCTGGGAAGTGTGTTCAAGAGT 2565
Qy 541 CCCAACATGTCAAAATTACAGACTTCGGGCTGTGCTGGCTGTGACATTGACAGACA 600
Db 2566 CCCAACATGTCAAAATTACAGACTTCGGGCTGTGCTGGCTGTGACATTGACAGACA 2625
Qy 601 GAGTACCATGACATGAGGGGAGAGGTGCCCATCAAGTGAATGGCGTGAATTCATTCTC 660
Db 2626 GAGTACCATGACATGAGGGGAGAGGTGCCCATCAAGTGAATGGCGTGAATTCATTCTC 2685
Qy 661 CGCGGGGGTTCAACCACAGAGTATGTGTGAGTTATGTGTGATCTGTGTGGAGCTG 720
Db 2686 CGCGGGGGTTCAACCACAGAGTATGTGTGAGTTATGTGTGATCTGTGTGGAGCTG 2745
Qy 721 ATGACTTTTGGGGCCAAACTTACATGATGGATCCAGCGCCGGAGATCCCTGACCTGCTG 780
Db 2746 ATGACTTTTGGGGCCAAACTTACATGATGGATCCAGCGCCGGAGATCCCTGACCTGCTG 2805
Qy 781 GAAAAAGGGAGCGGCTGCGCCAGCGCCCATCTGACACCATTTGATGTCTACATGATCATG 840
Db 2806 GAAAAAGGGAGCGGCTGCGCCAGCGCCCATCTGACACCATTTGATGTCTACATGATCATG 2865
Qy 841 GTCAAAATGTTGATATGATGACTCTGTAATGTGGCCCAAAATTCGGGAGTTGGTGTCTAA 900
Db 2866 GTCAAAATGTTGATATGATGACTCTGTAATGTGGCCCAAAATTCGGGAGTTGGTGTCTAA 2925
Qy 901 TTCTCCCGCATGGCCAGGAGACCCCGAGCGCTTTGTGTATCCAGATAGAGACTTGGGC 960
Db 2926 TTCTCCCGCATGGCCAGGAGACCCCGAGCGCTTTGTGTATCCAGATAGAGACTTGGGC 2985
Qy 961 CCAAGCAGTCCCTTGGAGACACCTTTCTACCGCTACCTGCTGAGAGACATGATGAGG 1020
Db 2986 CCAAGCAGTCCCTTGGAGACACCTTTCTACCGCTACCTGCTGAGAGACATGATGAGG 3045
Qy 1021 GACCTGTGTGATGCTGAGAGATGATCTGTGATACCCCAAGAGGCTTCTCTGTCCAAACCT 1080
Db 3046 GACCTGTGTGATGCTGAGAGATGATCTGTGATACCCCAAGAGGCTTCTCTGTCCAAACCT 3105
Qy 1081 GCGCCGGGGGCTGGGGGGAGTGTCCACCAAGGACCGGAGCTCATCTACAGAGATGGC 1140
Db 3106 GCGCCGGGGGCTGGGGGGAGTGTCCACCAAGGACCGGAGCTCATCTACAGAGATGGC 3165
Qy 1141 GGTGGGGACCTGACACTAGGGCTGAGGCCCTCTGAAAGAGAGAGGCCCGAGTCTCCACTG 1200
Db 3166 GGTGGGGACCTGACACTAGGGCTGAGGCCCTCTGAAAGAGAGAGGCCCGAGTCTCCACTG 3225
Qy 1201 GCAACCTCTCGAAGGGGCTGTGCTCCGATGATTTGATGTGACTGTGGAATGGGGGAGGC 1260
Db 3226 GCAACCTCTCGAAGGGGCTGTGCTCCGATGATTTGATGTGACTGTGGAATGGGGGAGGC 3285
Qy 1261 AAGGGGCTGCAAAAGCTCCCAACATGACCCAGCGCTCTACAGCGGATACATGAGAGC 1320
Db 3286 AAGGGGCTGCAAAAGCTCCCAACATGACCCAGCGCTCTCTAAGGAGTACATGAGAGC 3345
Qy 1321 CCCACAGTACCCCTGCTGCTGAGACTGATGTGCTAGTCCCTCTGACTGACAGCCCTC 1380
Db 3346 CCCACAGTACCCCTGCTGCTGAGACTGATGTGCTAGTCCCTCTGACTGACAGCCCTC 3405
Qy 1381 CAGCTGTAATATGTGAACAGCCAGCATGTTGGGCCAGCCCTTGGCGCCGAGAGAGGC 1440
Db 3406 CAGCTGTAATATGTGAACAGCCAGCATGTTGGGCCAGCCCTTGGCGCCGAGAGAGGC 3465
Qy 1441 CCTGTGCTGTGCGCGGACCTGTGTGCTGCACTGTGGAAGGCGCAAGACTCTCTCCCA 1500
Db 3466 CCTGTGCTGTGCGCGGACCTGTGTGCTGCACTGTGGAAGGCGCAAGACTCTCTCCCA 3525
Qy 1501 GGGAGAAATGGGGCTGTCAAAAGCTTTTGTGCTTTGGGGGTGCGCTGAGAGACCCCGAG 1560
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Db 3526 GGGAGAAATGGGGCTGTCAAAAGCTTTTGTGCTTTTGGGGGTGCCGTGAGAACCCCGAG 3585
Qy 1561 TACTTGACACCCCAAGAGAGAGCTGCCCTCAGAGCCCACTCTCTGCTTCAAGCCA 1620
Db 3586 TACTTGACACCCCAAGAGAGAGCTGCCCTCAGAGCCCACTCTCTGCTTCAAGCCA 3645
Qy 1621 GCTTTGACAACTCTATTTACTGTGGACCAAGACCCACAGAGCGGGGGCTTCAAGCC 1680
Db 3646 GCTTTGACAACTCTATTTACTGTGGACCAAGACCCACAGAGCGGGGGCTTCAAGCC 3705
Qy 1681 ACCTTCAAAAGGAGACCTTACCGGACAGAGAACCCAGATGACTGGGTCTGAGCGTCCAGT 1740
Db 3706 ACCTTCAAAAGGAGACCTTACCGGACAGAGAACCCAGATGACTGGGTCTGAGCGTCCAGT 3765

RESULT 4
US-10-313-644-1
; Sequence 1, Application US/10313644
; Publication No. US20030157119A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Cheever, Martin A.
; APPLICANT: Hand-Zimmerman, Susan
; TITLE OF INVENTION: METHODS FOR DIAGNOSIS AND THERAPY OF HEMATOLOGICAL
; TITLE OF INVENTION: AND VIRUS-ASSOCIATED MALIGNANCIES
; FILE REFERENCE: 210121.483C3
; CURRENT APPLICATION NUMBER: US/10/313,644
; CURRENT FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 3768
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1) ... (3765)
US-10-313-644-1

Query Match 100.0%; Score 1740; DB 15; Length 3768;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AAGCAGCGCAGCAGAAAGATCCGAAGTACAGATGCGGAGACTGCTCAGAGAAACGAG 60
Db 2026 AAGCAGCGCAGCAGAAAGATCCGAAGTACAGATGCGGAGACTGCTCAGAGAAACGAG 2085
Qy 61 CTGTGAGACCGCTGACACTTACGCGAGCGATGCCCAACAGGCGCAGATGCGATCTCTG 120
Db 2086 CTGTGAGACCGCTGACACTTACGCGAGCGATGCCCAACAGGCGCAGATGCGATCTCTG 2145
Qy 121 AAAGAGAGGAGCTGAGAGAGTGAAGTGTGATGATCTGTGGGCTTTTGGCAACATCTAC 180
Db 2146 AAAGAGAGGAGCTGAGAGAGTGAAGTGTGATGATCTGTGGGCTTTTGGCAACATCTAC 2205
Qy 2146 AAGGCACTGTGATCCCTGATGAGGAGATGAAATTTCCAGTGGCCATCAAGTCTTG 240
Db 2206 AAGGCACTGTGATCCCTGATGAGGAGATGAAATTTCCAGTGGCCATCAAGTCTTG 2265
Qy 241 AAGGAAACACATCCCAAGCAAGCAAGAAATCTTAGAGAGATACGTGATGCT 300
Db 2266 AAGGAAACACATCCCAAGCAAGCAAGAAATCTTAGAGAGATACGTGATGCT 2325
Qy 301 GGTGTGGGCTCCCAATATGTCTCCCGGCTTCTGGGCACTGTGCTACATCCAGGTCGAG 360
Db 2326 GGTGTGGGCTCCCAATATGTCTCCCGGCTTCTGGGCACTGTGCTACATCCAGGTCGAG 2385
Qy 361 CTGTGACACAGCTTATGCGCTTATGAGCATGATCCGGGAAAAACCGCGGA 420
Db 2386 CTGTGACACAGCTTATGCGCTTATGAGCATGATCCGGGAAAAACCGCGGA 2445
Qy 421 CGCCTGGGCTCCAGAGCTGTGAACTGTGTATGAGATTTCCAGGGGATGAGTAC 480
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Db 2446 CGCCTGGGCTCCAGGACCTGCTGAACTGCTGTATGACAGATTGCCAAGGGATGAGCTAC 2505
Qy 481 CTGAGAGATGTGCGGCTGTATACAGGGACTTGGCGCCTCGGAACGTGTCTGTAAGAGT 540
Db 2506 CTGGAGGATGTGCGGCTGTATACAGGGACTTGGCGCCTCGGAACGTGTCTGTAAGAGT 2565
Qy 541 CCCAACCATGTCAAAATTACAGACTTGGGGCTGTGCTGGCTGTGAGACATTGACGAGCA 600
Db 2566 CCCAACCATGTCAAAATTACAGACTTGGGGCTGTGCTGGCTGTGAGACATTGACGAGCA 2625
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Db 2626 GAGTACACATGAGATGAGGGGAGAGGTGCCATCAAGTGAATGCGCTGAGGCTCAATCTC 2685
Qy 661 CGCGGCGGTTCAACCACAGATGATGTGAGATTATGCTGTACTGTGTGGAGCTG 720
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Qy 721 ATGACTTTTGGGGCCAAACCTTAAGATGGGATCCAGCCCGGAGATCCCTGACCTGCTG 780
Db 2746 ATGACTTTTGGGGCCAAACCTTAAGATGGGATCCAGCCCGGAGATCCCTGACCTGCTG 2805
Qy 781 GAAAAAGGGGAGCGGCTGCCAGCGCCCACTGTGACCATTTGATGTCAACATGATCAG 840
Db 2806 GAAAAAGGGGAGCGGCTGCCAGCGCCCACTGTGACCATTTGATGTCAACATGATCAG 2865
Qy 841 GTCAAAATTGGATGATTTGACTCTGAAATGTGCGCCAGAAATTCGGGAGTTGGTGTCTGAA 900
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Qy 901 TTCTCCGCGCATGGCCAGGAGACCCCGAGGCTTTGTGTGATCCAGAAATGAGAGACTTGGGC 960
Db 2926 TTCTCCGCGCATGGCCAGGAGACCCCGAGGCTTTGTGTGATCCAGAAATGAGAGACTTGGGC 2985
Qy 961 CCAGCAGATCCCTTGAAGAGACCTTCTACCGCTCACTGCTGAGAGAGATGACATGAGGG 1020
Db 2986 CCAGCAGATCCCTTGAAGAGACCTTCTACCGCTCACTGCTGAGAGAGATGACATGAGGG 3045
Qy 1021 GACCTGTGTGATGCTGAGAGATGTGTGATCCCGAGAGGCTTTCTGTGTCCAGACCTT 1080
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Qy 1081 GCCCCGGGCGCTGGGGGAGATGATCCACAGAGGACCCCACTCATCTACAGAGATGGC 1140
Db 3106 GCCCCGGGCGCTGGGGGAGATGATCCACAGAGGACCCCACTCATCTACAGAGATGGC 3165
Qy 1141 GGTGGGAGCTGACACTAGAGGCTGAGGCTCTGAAAGAGAGAGGCCCCAGGCTCTCACTG 1200
Db 3166 GGTGGGAGCTGACACTAGAGGCTGAGGCTCTGAAAGAGAGAGGCCCCAGGCTCTCACTG 3225
Qy 1201 GCACCTTCGAAAGGGGCTGGCTCCGATGTATTGTGATGTGACCTTGGAAATGGGGCAGCC 1260
Db 3226 GCACCTTCGAAAGGGGCTGGCTCCGATGTATTGTGATGTGACCTTGGAAATGGGGCAGCC 3285
Qy 1261 AAGGGGCTGCAAAAGCTTCCCAACATGACCCCAAGCTCTTACAGCGGTACAGTGAAGAC 1320
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Db 3346 CCCACAGTACCCCTGAGCTCTGAGACTGATGAGCTGTTGGCCCCCTGACCTGACGAGCC 3405
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Db 3406 CAGCCTGAATATGTGAACCAAGCAGATGTTGGGCCCAAGCCCTTTCGCCCGGAGAGGGC 3465
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Qy 1501 GGAAGAAATGGGGTGTCAAAAGCTTTTGGCTTTGGGGGTGGCCGTGAGAAACCCCGAG 1560
Db 3526 GGAAGAAATGGGGTGTCAAAAGCTTTTGGCTTTGGGGGTGGCCGTGAGAAACCCCGAG 3585

Qy 1561 TACTTGACACCCCAAGGAGAGAGCTGCCCTCAGGCCCAACCTCTCTGCTTCAAGCCCA 1620
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RESULT 5
US-09-441-411-5
; Sequence 5, Application US/09441411
; Publication No. US2003008342A1
; GENERAL INFORMATION:
; APPLICANT: Scholler, Nathalie B.
; APPLICANT: Disis, Mary L.
; APPLICANT: Hellicrom, Ingegerd
; APPLICANT: Hellicrom, Karl Erik
; TITLE OF INVENTION: SURFACE RECEPTOR ANTIGEN VACCINES
; FILE REFERENCE: 730033.409
; CURRENT APPLICATION NUMBER: US/09/441.411
; CURRENT FILING DATE: 1999-11-16
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 4473
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-441-411-5

Query Match 100.0%; Score 1740; DB 10; Length 4473;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AAGCGACGGCAGCAGAAAGATCCGGAAGTACAGATGCGGAGACTGTGCAGAAACGGAG 60
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Db 2260 CTGTGTGAGCGGCTGACACTTACGCGAGCGATGCCCAACAGGCGCAGATGCCATCCTG 2319
Qy 121 AAAGAGACGAGCTGAGAGAGTGAAGGTGTTGGATCTGGCGCTTTTGGACAGTCTAC 180
Db 2320 AAAGAGACGAGCTGAGAGAGTGAAGGTGTTGGATCTGGCGCTTTTGGACAGTCTAC 2379
Qy 181 AAGGCGATCTGATCCCTGATGGGAGATGTGAAATTCAGATGGCCATCAAAAGTGTG 240
Db 2380 AAGGCGATCTGATCCCTGATGGGAGATGTGAAATTCAGATGGCCATCAAAAGTGTG 2439
Qy 241 AAGGAAAAACATCTCCCAAAAGCCAAAGAAATCTTGAAGAGATACGTATGGCT 300
Db 2440 AAGGAAAAACATCTCCCAAAAGCCAAAGAAATCTTGAAGAGATACGTATGGCT 2499
Qy 301 GGTGTGGCTTCCCATATGTCTCCCGCTTGTGGGCAATGGCCCTGACATCCAGGTGAG 360
Db 2500 GGTGTGGCTTCCCATATGTCTCCCGCTTGTGGGCAATGGCCCTGACATCCAGGTGAG 2559
Qy 361 CTGTGTGACACAGCTTATGACCTTATGGCTGCTCTTGAACCATGTCCGGGAAAAACCGGGA 420
Db 2560 CTGTGTGACACAGCTTATGACCTTATGGCTGCTCTTGAACCATGTCCGGGAAAAACCGGGA 2619
Qy 421 CGCCTGGGCTTCCAGAGACTGTCTGAAGTGTGTATGACAGATTGCAAGGGGATGAGCTAC 480
Db 2620 CGCCTGGGCTTCCAGAGACTGTCTGAAGTGTGTATGACAGATTGCAAGGGGATGAGCTAC 2679
Qy 481 CTGAGAGATGTGCGGCTGTACACAGGAGACTTGGCGCTGGAAACGTGTGTCAAGAGT 540

Db 2680 CTGAGAGATGTCGGCTGCTGACACAGGACCTTGGCCGCTCGGAAAGCTGCTGATCAAGACT 2739
Qy 541 CCCAACCATGTCAAAATTATACAGACTTTCGGGCTGGCTGGCTGCTGACATTTGACAGACACA 600
Db 2740 CCCAACCATGTCAAAATTATACAGACTTTCGGGCTGGCTGGCTGCTGACATTTGACAGACACA 2799
Qy 601 GAGTACCATGACAGATGGGGGCAAGTCCCATCAAGTGGATGGCGCTGGAGTTCATTCTC 660
Db 2800 GAGTACCATGACAGATGGGGGCAAGTCCCATCAAGTGGATGGCGCTGGAGTTCATTCTC 2859
Qy 661 CGCCGGCGGTTACCCACACAGAGTATGTTGAGTATGTTGATGCTGTGGAGAGCTG 720
Db 2860 CGCCGGCGGTTACCCACACAGAGTATGTTGAGTATGTTGATGCTGTGGAGAGCTG 2919
Qy 721 ATGACTTTTGGGGCCAAACCTTACGATGGGATCCAGCCGGGAGATCCCTGACCTGCTG 780
Db 2920 ATGACTTTTGGGGCCAAACCTTACGATGGGATCCAGCCGGGAGATCCCTGACCTGCTG 2979
Qy 781 GAAAGGGGAGCGGCTGCCCCCAGCCCATCTGACACATTGATGTTACATGATCATG 840
Db 2980 GAAAGGGGAGCGGCTGCCCCCAGCCCATCTGACACATTGATGTTACATGATCATG 3039
Qy 841 GTCAATTTTGGATATGATCTCTGATGTCGGCCAAAGATTCGGGAGATGGTGTCTGA 900
Db 3040 GTCAATTTTGGATATGATCTCTGATGTCGGCCAAAGATTCGGGAGATGGTGTCTGA 3099
Qy 901 TTCTCCGCAATGGCCAGGAGCCCGCAGCTTTGTGTGATCTCAGATGAGGACTTGGGC 960
Db 3100 TTCTCCGCAATGGCCAGGAGCCCGCAGCTTTGTGTGATCTCAGATGAGGACTTGGGC 3159
Qy 961 CCAAGCAGTCCCTTGGACAGACCTTCTACCGCTGACCTGAGAGAGCATGATGAGG 1020
Db 3160 CCAAGCAGTCCCTTGGACAGACCTTCTACCGCTGACCTGAGAGAGCATGATGAGG 3219
Qy 1021 GACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1080
Db 3220 GACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 3279
Qy 1081 GCGCCGGGCGCTGGGGGAGCTGGTCCACACAGGACCGGAGCTCATCTACAGAGTGGC 1140
Db 3280 GCGCCGGGCGCTGGGGGAGCTGGTCCACACAGGACCGGAGCTCATCTACAGAGTGGC 3339
Qy 1141 GGTGGGAGCTTGACACTAGAGGCTGAGCCCTCTGAAAGAGAGGCCCCAGGCTCTCACTG 1200
Db 3340 GGTGGGAGCTTGACACTAGAGGCTGAGCCCTCTGAAAGAGAGGCCCCAGGCTCTCACTG 3399
Qy 1201 GCACTCTCCGAAAGGGGCTGGCTCCGATGATGATGATGATGATGATGATGATGATGAT 1260
Db 3400 GCACTCTCCGAAAGGGGCTGGCTCCGATGATGATGATGATGATGATGATGATGATGAT 3459
Qy 1261 AAGGGGCTGCAAAAGCTCCCGCACATGACCCAGCCCTCTACAGGGGATACGTAGAGAC 1320
Db 3460 AAGGGGCTGCAAAAGCTCCCGCACATGACCCAGCCCTCTACAGGGGATACGTAGAGAC 3519
Qy 1321 CCGACAGTACCCCTGCTCTGAGACTGATGCTAGCTGTTGCCCTGACCTGAGAGCCG 1380
Db 3520 CCGACAGTACCCCTGCTCTGAGACTGATGCTAGCTGTTGCCCTGACCTGAGAGCCG 3579
Qy 1381 CAGCTGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1440
Db 3580 CAGCTGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 3639
Qy 1441 CCTGCGCTGCTGCGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1500
Db 3640 CCTGCGCTGCTGCGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3699
Qy 1501 GGGAGAAATGGGGTGTCTAAAGACGTTTTTGGCTTTGGGGGTGCGGTGAGAAACCCGAG 1560
Db 3700 GGGAGAAATGGGGTGTCTAAAGACGTTTTTGGCTTTGGGGGTGCGGTGAGAAACCCGAG 3759
Qy 1561 TACTTGAACACCCAGGAGAGAGCTGCTTCAAGCCCACTCTCTCTCTCTCTCTCTCTCTCA 1620
Db 3760 TACTTGAACACCCAGGAGAGAGCTGCTTCAAGCCCACTCTCTCTCTCTCTCTCTCTCTCA 3819

Qy 1621 GCTTTCAGCAACCTTATTTACTGGGACCAAGACCAAGAGCGGGGCTTCCATCCAC 1680
Db 3820 GCTTTCAGCAACCTTATTTACTGGGACCAAGACCAAGAGCGGGGCTTCCATCCAC 3879
Qy 1681 ACCTTCAAAAGGAGACCTTACCGGACAGAAACCAAGAGTACCTGGGTCTGACCTGCAAG 1740
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RESULT 6
US-10-146-473-32
; Sequence 32, Application US/10146473
; Publication No. US20030108888A1
; GENERAL INFORMATION:
; APPLICANT: Scanlan, Matthew
; APPLICANT: Gout, Ivan
; APPLICANT: Stockert, Elisabeth
; APPLICANT: Gure, Ali
; APPLICANT: Chen, Yao-Tseng
; APPLICANT: Old, Lloyd
; TITLE OF INVENTION: Breast Cancer Antigens
; FILE REFERENCE: I00461/70130(JRV)
; CURRENT APPLICATION NUMBER: US/10/146,473
; PRIOR FILING DATE: 2002-05-15
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 32
; LENGTH: 4473
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-146-473-32

Query Match 100.0%; Score 1740; DB 15; Length 4473;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AAGGACCGGACGACAAAGATCCGGAAGTACACGATGCCGAGCTGCTGAGGAAACGAG 60
Db 2200 AAGGACCGGACGACAAAGATCCGGAAGTACACGATGCCGAGCTGCTGAGGAAACGAG 2259
Qy 61 CTGTGTGAGCGCTGACACCTTACGAGAGCGATGCCAAACGAGGCGCAGATGCGATCTG 120
Db 2260 CTGTGTGAGCGCTGACACCTTACGAGAGCGATGCCAAACGAGGCGCAGATGCGATCTG 2319
Qy 121 AAAGAGCGAGCTGAGGAGAGGTGCTTGGATCTGGCGCTTTTGGCAAGTCTAC 180
Db 2320 AAAGAGCGAGCTGAGGAGAGGTGCTTGGATCTGGCGCTTTTGGCAAGTCTAC 2379
Qy 181 AAGGCATCTGATATCCCTGATGAGGAGAAATGGAATTCAGATGCCATCAAGTGTG 240
Db 2380 AAGGCATCTGATATCCCTGATGAGGAGAAATGGAATTCAGATGCCATCAAGTGTG 2439
Qy 241 AAGGAAACACATCCCGCAAGGACCAAGAAATCTTACAGAGATACGTATGAGCT 300
Db 2440 AAGGAAACACATCCCGCAAGGACCAAGAAATCTTACAGAGATACGTATGAGCT 2499
Qy 2500 GGTGTGGGCTCCCATATGTCTCCCGCTTCTGGGCACTGCGCTGACATCCAGCGGTGAG 2559
Db 361 CTGTGTGACACAGCTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
Qy 2560 CTGTGTGACACAGCTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2619
Db 421 CGCTGGGCTCCAGAGCTGCTGAACTGTGTATGAGATTTGCAAGGGGATGAGCTAC 480
Qy 2620 CGCTGGGCTCCAGAGCTGCTGAACTGTGTATGAGATTTGCAAGGGGATGAGCTAC 2679
Db 481 CTGAGAGATGTGGGCTGTGACACAGGACTTTGGCGCTCGGAACGTGCTGTCAAGAT 540

Db 2680 CTGAGAGATGTCGGCTCGTACACAGGACTTGGCCGCTCGGAACGTGCTGCTCAAGACT 2739
Qy 541 CCCAACCATGTCAAAATTACAGACTTTGGGCTGAGCTGCTGAGCAATTGACGAGACA 600
Db 2740 CCCAACCATGTCAAAATTACAGACTTTGGGCTGAGCTGCTGAGCAATTGACGAGACA 2799
Qy 601 GAGTACCATGACAGATGGGGGCAAGGTGCCCATCAAGTGAATGGCGTGGAGTCCATTCTC 660
Db 2800 GAGTACCATGACAGATGGGGGCAAGGTGCCCATCAAGTGAATGGCGTGGAGTCCATTCTC 2859
Qy 661 CGCCGGCGGTTCAACCACAGAGTATGATGAGTTAAGGTGAATGATGAGTGGAGGCTG 720
Db 2860 CGCCGGCGGTTCAACCACAGAGTATGATGAGTTAAGGTGAATGATGAGTGGAGGCTG 2919
Qy 721 ATGACTTTTGGGGCCAAACCTTACAGTGGATCCAGCCGGGAGATCCCTGACCTGCTG 780
Db 2920 ATGACTTTTGGGGCCAAACCTTACAGTGGATCCAGCCGGGAGATCCCTGACCTGCTG 2979
Qy 781 GAAAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGACACATTGATGTCTACATGATCATG 840
Db 2980 GAAAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGACACATTGATGTCTACATGATCATG 3039
Qy 841 GTCAAAATGTTGGATGATTTGACTGATGATGGCCCAAGATTCCGGGAGTTGGTGTCTGAA 900
Db 3040 GTCAAAATGTTGGATGATTTGACTGATGATGGCCCAAGATTCCGGGAGTTGGTGTCTGAA 3099
Qy 901 TTCTCCCGCATGGCCAGGAGACCCCGAGCGCTTTGTGTCTATCCAGATGAGGACTTGGGC 960
Db 3100 TTCTCCCGCATGGCCAGGAGACCCCGAGCGCTTTGTGTCTATCCAGATGAGGACTTGGGC 3159
Qy 961 CCAGCCAGTCCCTTTGAGACAGACCTTTCTACCGCTCACTGCTGAGAGAGATGACATGGGG 1020
Db 3160 CCAGCCAGTCCCTTTGAGACAGACCTTTCTACCGCTCACTGCTGAGAGAGATGACATGGGG 3219
Qy 1021 GACCTGGTGAATGAGGAGATCTGATGATGAGTCCCGAGGAGGCTTCTGCTGACAAACCT 1080
Db 3220 GACCTGGTGAATGAGGAGATCTGATGATGAGTCCCGAGGAGGCTTCTGCTGACAAACCT 3279
Qy 1081 GCCCCGGGCGCTGGGGGAGTGTGTCACACAGGACCCGAGCTCACTTACAGAGATGGGC 1140
Db 3280 GCCCCGGGCGCTGGGGGAGTGTGTCACACAGGACCCGAGCTCACTTACAGAGATGGGC 3339
Qy 1141 GGTGGGGACCTGACACTAGAGGCTGAGAGCTTCTGAAGAGAGAGGCCCCAGGCTTCCACTG 1200
Db 3340 GGTGGGGACCTGACACTAGAGGCTGAGAGCTTCTGAAGAGAGAGGCCCCAGGCTTCCACTG 3399
Qy 1201 GCACCTCCGAAAGGGGCTGGCTCCGATGATTTGATGATGAGCCTGGGAAATGGGGGAGGC 1260
Db 3400 GCACCTCCGAAAGGGGCTGGCTCCGATGATTTGATGATGAGCCTGGGAAATGGGGGAGGC 3459
Qy 1261 AAGGGGCTGCAAAAGCTCCCAACATGACCCCAAGCCCTCTACAGCGGTACAGTAGAGAC 1320
Db 3460 AAGGGGCTGCAAAAGCTCCCAACATGACCCCAAGCCCTCTACAGCGGTACAGTAGAGAC 3519
Qy 1321 CCCACAGTACCCCTGCTGCTGAGACTGATGAGCTTACGTTGCCCTCTGACCTGACAGCCC 1380
Db 3520 CCCACAGTACCCCTGCTGCTGAGACTGATGAGCTTACGTTGCCCTCTGACCTGACAGCCC 3579
Qy 1381 CAGCTGAATATGTAACCAAGCAGATGTTGGGGCCCAAGCCCTTCCGCCCCGAGAGAGGC 1440
Db 3580 CAGCTGAATATGTAACCAAGCAGATGTTGGGGCCCAAGCCCTTCCGCCCCGAGAGAGGC 3639
Qy 1441 CTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1500
Db 3640 CTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3699
Qy 1501 GGGAGGAATGGGCTGCTCAAGAGCTTTTGGCTTTGGGGGCTGCGGTGAGAAACCCCGAG 1560
Db 3700 GGGAGGAATGGGCTGCTCAAGAGCTTTTGGCTTTGGGGGCTGCGGTGAGAAACCCCGAG 3759
Qy 1561 TACTTGAACACCCCAAGAGAGAGAGCTGCTTCAAGCCCAACCTCTCTGCTTCAAGCCCA 1620
Db 3760 TACTTGAACACCCCAAGAGAGAGAGCTGCTTCAAGCCCAACCTCTCTGCTTCAAGCCCA 3819

Qy 1621 GCCTTGCACAACTCTATTACTGGGACCAAGACCCCAAGACCGGGGGCTTCCACCCAGC 1680
Db 3820 GCCTTGCACAACTCTATTACTGGGACCAAGACCCCAAGACCGGGGGCTTCCACCCAGC 3879
Qy 1681 ACCTTCAAAAGGAGACCTTACCGGCAAGAGAACCCAGAGTACTTGGGCTGGAAGTGCAGTG 1740
Db 3880 ACCTTCAAAAGGAGACCTTACCGGCAAGAGAACCCAGAGTACTTGGGCTGGAAGTGCAGTG 3939
RESULT 7
US-10-207-655-44
; Sequence 44, Application US/10207655
; Publication No. US20030118592A1
; GENERAL INFORMATION:
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Hayden-Ledbetter, Martha S.
; TITLE OF INVENTION: BINDING DOMAIN-IMMUNOGLOBULIN FUSION PROTEINS
; FILE REFERENCE: 390069.401C1
; CURRENT FILING DATE: US/10/207,655
; NUMBER OF SEQ ID NOS: 2002-07-25
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 44
; LENGTH: 4473
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-207-655-44
Query Match 100.0%; Score 1740; DB 15; Length 4473;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 AAGCAGCGGACAGAAAGATCCGGAAGTACAGATGCCGAGACTGCTCAGGAAACGAG 60
Db 2200 AAGCAGCGGACAGAAAGATCCGGAAGTACAGATGCCGAGACTGCTCAGGAAACGAG 2259
Qy 61 CTGTGTGAGCCGCTGACACTTACGCGAGCGATGCCCAACAGGCGCAATGCGATCCTG 120
Db 2260 CTGTGTGAGCCGCTGACACTTACGCGAGCGATGCCCAACAGGCGCAATGCGATCCTG 2319
Qy 121 AAAAGAGAGGAGCTGAGGAAGGTGAGTGTGATGCTGGCGCTTTTGGCAAGTCTTAC 180
Db 2320 AAAAGAGAGGAGCTGAGGAAGGTGAGTGTGATGCTGGCGCTTTTGGCAAGTCTTAC 2379
Qy 181 AAGGCACTGTGGATCCCTGATGGGAGATGTGAATTCAGTGGCCATCAAACTGTTG 240
Db 2380 AAGGCACTGTGGATCCCTGATGGGAGATGTGAATTCAGTGGCCATCAAACTGTTG 2439
Qy 241 AAGGAAACACATCCCCCAAGACCAAAAGAAATCTTAGACGAAGCATACGTGATGCT 300
Db 2440 AAGGAAACACATCCCCCAAGACCAAAAGAAATCTTAGACGAAGCATACGTGATGCT 2499
Qy 301 GGTGTGGCTCCCAATATGTCTCCCGCTTGTGGGCACTGCTGACATCCAGGTGAG 360
Db 2500 GGTGTGGCTCCCAATATGTCTCCCGCTTGTGGGCACTGCTGACATCCAGGTGAG 2559
Qy 361 CTGTGTGACAGACTTATGCTTATGCTGCTCTTACAGCATGTCCGGGAAAAACCGCGGA 420
Db 2560 CTGTGTGACAGACTTATGCTTATGCTGCTCTTACAGCATGTCCGGGAAAAACCGCGGA 2619
Qy 421 CGCTGGGCTCCCAAGACTGCTGAACTGTGTATGACAGATTGCCAAGGGGATGAGCTAC 480
Db 2620 CGCTGGGCTCCCAAGACTGCTGAACTGTGTATGACAGATTGCCAAGGGGATGAGCTAC 2679
Qy 481 CTGAGAGATGTGCGGCTGTACACAGGACTTTGGCGCTCGGAGAGTGTCTGATCAAGGT 540
Db 2680 CTGAGAGATGTGCGGCTGTACACAGGACTTTGGCGCTCGGAGAGTGTCTGATCAAGGT 2739
Qy 541 CCCAACCATGTCAAAATTACAGACTTTGGGCTGAGCTGCTGAGCAATTGACGAGACA 600
Db 2740 CCCAACCATGTCAAAATTACAGACTTTGGGCTGAGCTGCTGAGCAATTGACGAGACA 2799

| | | | |
|----|------|--|------|
| QY | 601 | GAGTACCATGAGATGGGGGCAAGGTGGCCATCAAGTGAATGGGGCTGGACATTCCTC | 660 |
| Db | 2800 | GAGTACCATGAGATGGGGGCAAGGTGGCCATCAAGTGAATGGGGCTGGACATTCCTC | 2859 |
| QY | 661 | CGCGGCGGTTTCAACCCACAGATGATGTGTGAGATTATGTTGTACTGTGTGGAGCTG | 720 |
| Db | 2860 | CGCGGCGGTTTCAACCCACAGATGATGTGTGAGATTATGTTGTACTGTGTGGAGCTG | 2919 |
| QY | 721 | ATGACTTTTGGGGGCCAAACCTTACGATGGATTCGAGCCGGGAGATCCCTGACTGTG | 780 |
| Db | 2920 | ATGACTTTTGGGGGCCAAACCTTACGATGGATTCGAGCCGGGAGATCCCTGACTGTG | 2979 |
| QY | 781 | GAAGAGGGGGGCGGGCTGGCCCCAGCCCCCATCTGACCACTTGATAGTCTAATGATCATG | 840 |
| Db | 2980 | GAAGAGGGGGGCGGGCTGGCCCCAGCCCCCATCTGACCACTTGATAGTCTAATGATCATG | 3039 |
| QY | 841 | GTCAAAATGTTGATGATGATTGACTCTGAAATGTGCGCCCAAGATTCCGGGAGTTGTGTCAA | 900 |
| Db | 3040 | GTCAAAATGTTGATGATGATTGACTCTGAAATGTGCGCCCAAGATTCCGGGAGTTGTGTCAA | 3099 |
| QY | 901 | TTCTCCGCGCATGSCCAAGGACCCCCAGCGCTTTGTGTATCCAGATGAGGACTTGGGC | 960 |
| Db | 3100 | TTCTCCGCGCATGSCCAAGGACCCCCAGCGCTTTGTGTATCCAGATGAGGACTTGGGC | 3159 |
| QY | 961 | CCAGCCAGTCCCTTGGACAGACACTTCTACCGCTCATCTGCTGGAGAGACATGATGGGG | 1020 |
| Db | 3160 | CCAGCCAGTCCCTTGGACAGACACTTCTACCGCTCATCTGCTGGAGAGACATGATGGGG | 3219 |
| QY | 1021 | GACCTGTGTGATGCTGAGAGAGTATCTGGTACCCAGCAGGGCTTCTTGTGCCAGACCT | 1080 |
| Db | 3220 | GACCTGTGTGATGCTGAGAGAGTATCTGGTACCCAGCAGGGCTTCTTGTGCCAGACCT | 3279 |
| QY | 1081 | GCCCCGGGCGCTGGGGGAGATGATCCACCAAGGACCGCAGCTCATCTTACCAGAGTGGC | 1140 |
| Db | 3280 | GCCCCGGGCGCTGGGGGAGATGATCCACCAAGGACCGCAGCTCATCTTACCAGAGTGGC | 3339 |
| QY | 1141 | GGTGGGGACCTGACACTTATGGGCTGGAGGCTCTGTAAAGAGAGGCCCTCCAGTCTCCACTG | 1200 |
| Db | 3340 | GGTGGGGACCTGACACTTATGGGCTGGAGGCTCTGTAAAGAGAGGCCCTCCAGTCTCCACTG | 3399 |
| QY | 1201 | GCACCCCTCCGAAGGGGGCTGCTCCGATTTATTTGATGGTGACTGGGAGTAGGGGGCAGCC | 1260 |
| Db | 3400 | GCACCCCTCCGAAGGGGGCTGCTCCGATTTATTTGATGGTGACTGGGAGTAGGGGGCAGCC | 3459 |
| QY | 1261 | AAGGGGCTGCAGAGGCTTCCCAACATGACCCCAAGCCTCTACAGCGGTACATGTAGAGAC | 1320 |
| Db | 3460 | AAGGGGCTGCAGAGGCTTCCCAACATGACCCCAAGCCTCTACAGCGGTACATGTAGAGAC | 3519 |
| QY | 1321 | CCCAACGTAACCTTGGCCTCTTGAGACTGATGGCTACGTTGCCCTCCGACCTGCAAGCCCC | 1380 |
| Db | 3520 | CCCAACGTAACCTTGGCCTCTTGAGACTGATGGCTACGTTGCCCTCCGACCTGCAAGCCCC | 3579 |
| QY | 1381 | CAGCCTGAATATGTGAACCAAGCAGATGTTTGGGCCCAAGCCCCCTTGGCCCCGAGAGGGC | 1440 |
| Db | 3580 | CAGCCTGAATATGTGAACCAAGCAGATGTTTGGGCCCAAGCCCCCTTGGCCCCGAGAGGGC | 3639 |
| QY | 1441 | CCTTGCCTGCTGCGCCGACCTGCTGTGTGTGCACTGTGAAGAGGCCAAGACTCTTCCCA | 1500 |
| Db | 3640 | CCTTGCCTGCTGCGCCGACCTGCTGTGTGTGCACTGTGAAGAGGCCAAGACTCTTCCCA | 3699 |
| QY | 1501 | GGGAGAAATGGGGTGTCTCAAGACGTTTTTGCCTTTTGGGGGTGCCGTGAGAACCCCGAG | 1560 |
| Db | 3700 | GGGAGAAATGGGGTGTCTCAAGACGTTTTTGCCTTTTGGGGGTGCCGTGAGAACCCCGAG | 3759 |
| QY | 1561 | TACTTGAACCCCAAGGAGAGCTGCCCTCAGCCCCACCTCCTCCTGCTTACAGCCCA | 1620 |
| Db | 3760 | TACTTGAACCCCAAGGAGAGCTGCCCTCAGCCCCACCTCCTCCTGCTTACAGCCCA | 3819 |
| QY | 1621 | GCCTTTGCACAACCTTATTACTGGGACCAAGACCCACAGAGCGGGGGCTTCCACCAGC | 1680 |
| Db | 3820 | GCCTTTGCACAACCTTATTACTGGGACCAAGACCCACAGAGCGGGGGCTTCCACCAGC | 3879 |
| QY | 1681 | ACCTTCAAGGGAACCTTACGGCAGAGAACCCAGAGTACTTGGGTCTTGAAGTGCAGCTG | 1740 |

| Db | 3880 | ACCTTCAAGGAGCACTTACGGCAGAGAACCCAGATACCTGGGCTTGGAGCTCCAGTG | 3939 |
|----|------|---|------|
| | | <p>RESULT 8</p> <p>US-10-101-510-81</p> <p>; Sequence 81, Application US/10101510</p> <p>; Publication No. US20030148295A1</p> <p>GENERAL INFORMATION:</p> <p>APPLICANT: WAN, JACKSON</p> <p>APPLICANT: WANG, YIXIN</p> <p>TITLE OF INVENTION: EXPRESSION PROFILES AND METHODS OF USE</p> <p>FILE REFERENCE: 15117.0012</p> <p>CURRENT APPLICATION NUMBER: US/10/101.510</p> <p>CURRENT FILING DATE: 2002-03-20</p> <p>PRIOR FILING DATE: 2001-03-20</p> <p>NUMBER OF SEQ ID NOS: 805</p> <p>SOFTWARE: PatentIn Ver. 2.1</p> <p>SEQ ID NO 81</p> <p>LENGTH: 4473</p> <p>TYPE: DNA</p> <p>ORGANISM: Homo sapiens</p> <p>US-10-101-510-81</p> | |
| | | <p>Query Match 100.0%; Score 1740; DB 15; Length 4473;</p> <p>Best Local Similarity 100.0%; Pred. No. 0;</p> <p>Matches 1740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;</p> | |
| QY | 1 | AAGGCACGGCAGAGAAAGATCCGGAGTACACGATGCGGAGACTGCTTGACAGAAACGAG | 60 |
| Db | 2200 | AAGCAGCGCAGCAGAGAAAGATCCGGAGTACACGATGCGGAGACTGCTTGACAGAAACGAG | 2259 |
| QY | 61 | CTGCTGAGACCGGCTGACACCTTACGGGAGCCATGCCCCAACGAGGCGACATGCCGATCCTG | 120 |
| Db | 2260 | CTGCTGAGACCGGCTGACACCTTACGGGAGCCATGCCCCAACGAGGCGACATGCCGATCCTG | 2319 |
| QY | 121 | AAAGGACCGGAGCTGAGGAGAGTGAAGGTGCTTGATCTGGCGCTTTTGGCAGACTTAC | 180 |
| Db | 2320 | AAAGGACCGGAGCTGAGGAGAGTGAAGGTGCTTGATCTGGCGCTTTTGGCAGACTTAC | 2379 |
| QY | 181 | AAGGCATCTTGATCCCTGATGGGAGATGTGAAAATTCGATGGCCATCAAGTGTG | 240 |
| Db | 2380 | AAGGCATCTTGATCCCTGATGGGAGATGTGAAAATTCGATGGCCATCAAGTGTG | 2439 |
| QY | 241 | AGGAAAAACATCCCCCAAGCCAAAGAAATCTTACGGAAGCATACGTATGCT | 300 |
| Db | 2440 | AGGAAAAACATCCCCCAAGCCAAAGAAATCTTACGGAAGCATACGTATGCT | 2499 |
| QY | 301 | GGTGTGGGCTCCCATATGTCTCCGCTTCTGGGCACTTGCTGACATCCACGATGCG | 360 |
| Db | 2500 | GGTGTGGGCTCCCATATGTCTCCGCTTCTGGGCACTTGCTGACATCCACGATGCG | 2559 |
| QY | 361 | CTGTGACACAGCTTATATGCTTATATGCTGCTCTTTAGCAATGTTCGGGAAAACCGCGGA | 420 |
| Db | 2560 | CTGTGACACAGCTTATATGCTTATATGCTGCTCTTTAGCAATGTTCGGGAAAACCGCGGA | 2619 |
| QY | 421 | CGCCTGGGCTCCCAAGACCTGCTGAACGTGGTATGACATTTGCAAGGGGATGAGCTAC | 480 |
| Db | 2620 | CGCCTGGGCTCCCAAGACCTGCTGAACGTGGTATGACATTTGCAAGGGGATGAGCTAC | 2679 |
| QY | 481 | CTGAGAGATGTGCGGCTCTGTACACAGGAGCTTGGCGCTCGGAACTGTCTGTCAAGAGT | 540 |
| Db | 2680 | CTGAGAGATGTGCGGCTCTGTACACAGGAGCTTGGCGCTCGGAACTGTCTGTCAAGAGT | 2739 |
| QY | 541 | CCCAACCATGTCAAAATTTACAGACTTGGGCTGGCTGGCTGCTGAGCATTTGACAGACAC | 600 |
| Db | 2740 | CCCAACCATGTCAAAATTTACAGACTTGGGCTGGCTGGCTGCTGAGCATTTGACAGACAC | 2799 |
| QY | 601 | GAGTACCATGAGATGGGGGCGCAAGGTGCCCATCAAGTGAATGGGCTGAGATCCATTCTC | 660 |
| Db | 2800 | GAGTACCATGAGATGGGGGCGCAAGGTGCCCATCAAGTGAATGGGCTGAGATCCATTCTC | 2859 |

QY 661 CGCCGCGGTTACCCACAGAGTATGTGAGATTATGTTGACTGTGTGGAGCTG 720
Db 2860 CGCCGCGGTTACCCACAGAGTATGTGAGATTATGTTGACTGTGTGGAGCTG 2919
QY 721 ATGACTTTTGGGGCAAACTTACGATGGATCCAGCCGGAGATCCCTGACTGTG 780
Db 2920 ATGACTTTTGGGGCAAACTTACGATGGATCCAGCCGGAGATCCCTGACTGTG 2979
QY 781 GAAAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGACCATTTATGTCTACATGATCATG 840
Db 2980 GAAAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGACCATTTATGTCTACATGATCATG 3039
QY 841 GTCAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900
Db 3040 GTCAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3099
QY 901 TTCTCCGCGATGCGCAGGAGCCCGCAGCGCTTTGTGTGATCTACGAAATGAGACTTGGGC 960
Db 3100 TTCTCCGCGATGCGCAGGAGCCCGCAGCGCTTTGTGTGATCTACGAAATGAGACTTGGGC 3159
QY 961 CCAGCCAGTCCCTTGGAGACGACTTCTACCGCTCATCTGAGAGAGCATGACATGAGG 1020
Db 3160 CCAGCCAGTCCCTTGGAGACGACTTCTACCGCTCATCTGAGAGAGCATGACATGAGG 3219
QY 1021 GACCTGGATGATGCTGAGGAGTATCTGTAATCTGTAATCTGTAATCTGTAATCTGTAATCTG 1080
Db 3220 GACCTGGATGATGCTGAGGAGTATCTGTAATCTGTAATCTGTAATCTGTAATCTGTAATCTG 3279
QY 1081 GCCCCGGGCGCTGGGGGCGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1140
Db 3280 GCCCCGGGCGCTGGGGGCGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3339
QY 1141 GGTGGGGGACTGACACTGAGGCTGAGGCTCTGTAAGAGAGGCCCCAGGTCTTCCACTG 1200
Db 3340 GGTGGGGGACTGACACTGAGGCTGAGGCTCTGTAAGAGAGGCCCCAGGTCTTCCACTG 3399
QY 1201 GCACCTCCGAAAGGGGCTGGCTCGATGATGATGATGATGATGATGATGATGATGATGATGATG 1260
Db 3400 GCACCTCCGAAAGGGGCTGGCTCGATGATGATGATGATGATGATGATGATGATGATGATGATG 3459
QY 1261 AAGGGGCTGCAAAAGCTCTCCCAACATGACCCAGCCCTCTACAGCGGTACGTAGAGAC 1320
Db 3460 AAGGGGCTGCAAAAGCTCTCCCAACATGACCCAGCCCTCTACAGCGGTACGTAGAGAC 3519
QY 1321 CCCAGATACCCCTGCTGCTGAGACTGATGAGTACGTTGCCCCCTGACCTGACAGCCCC 1380
Db 3520 CCCAGATACCCCTGCTGCTGAGACTGATGAGTACGTTGCCCCCTGACCTGACAGCCCC 3579
QY 1381 CAGCTGAATATGTAACCAAGCCAGATGTTGGGCCCCAGCCCCCTTGGCCCCGAGAGGAC 1440
Db 3580 CAGCTGAATATGTAACCAAGCCAGATGTTGGGCCCCAGCCCCCTTGGCCCCGAGAGGAC 3639
QY 1441 CTTCTG 1500
Db 3640 CTTCTG 3699
QY 1501 GGGAAAGATGGGCTGCTCAAAAGCGTTTGGCTTTGGGGGTGCTGTGAGAACCCCGAG 1560
Db 3700 GGGAAAGATGGGCTGCTCAAAAGCGTTTGGCTTTGGGGGTGCTGTGAGAACCCCGAG 3759
QY 1561 TACTTGAACCCCGAGAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1620
Db 3760 TACTTGAACCCCGAGAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3819
QY 1621 GCCTTGAACAATCTTATTAATGAGGACCAAGAGCGAGGAGGCTCCACCCAGC 1680
Db 3820 GCCTTGAACAATCTTATTAATGAGGACCAAGAGCGAGGAGGCTCCACCCAGC 3879
QY 1681 ACCCTTCAAGGAGACCTTACGAGAGAACCCAGAGTACCTGGGTCTGAGAGTCCAGTG 1740
Db 3880 ACCCTTCAAGGAGACCTTACGAGAGAACCCAGAGTACCTGGGTCTGAGAGTCCAGTG 3939

RESULT 9
US-10-762-128-5
; Sequence 5, Application US/10762128
; Publication No. US20040219161A1
; GENERAL INFORMATION:
; APPLICANT: Scholler, Nathalie B.
; APPLICANT: Diels, Mary L.
; APPLICANT: Hellstrom, Ingegerd
; APPLICANT: Hellstrom, Karl Erik
; TITLE OF INVENTION: SURFACE RECEPTOR ANTIGEN VACCINES
; FILE REFERENCE: 730033.409C1
; CURRENT FILING DATE: US/10/762.128
; PRIOR APPLICATION NUMBER: US 09/441.411
; PRIOR FILING DATE: 1999-11-16
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 4473
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-762-128-5

Query Match 100.0%; Score 1740; DB 18; Length 4473;

Best Local Similarity 100.0%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAGGACGGGACGAGAAAGATCCGGAATACAGATGCGGAGACTGTGCAGAAACGAG 60
Db 2200 AAGGACGGGACGAGAAAGATCCGGAATACAGATGCGGAGACTGTGCAGAAACGAG 2259
QY 61 CTGGTGAAGCGCTGACACTTACGAGCCGATGCTCCCAACGAGGCGAGATGCGATCTG 120
Db 2260 CTGGTGAAGCGCTGACACTTACGAGCCGATGCTCCCAACGAGGCGAGATGCGATCTG 2319
QY 121 AAAGAGCGGAGCTGAGAAAGTGAAGTGTGATGCTGAGCTGCTTTGGCAGCTTAC 180
Db 2320 AAAGAGCGGAGCTGAGAAAGTGAAGTGTGATGCTGAGCTGCTTTGGCAGCTTAC 2379
QY 181 AAGGCACTTGATCCCTGATGGGAGATGTGAAATTCAGATGAGCATCAAGTGTG 240
Db 2380 AAGGCACTTGATCCCTGATGGGAGATGTGAAATTCAGATGAGCATCAAGTGTG 2439
QY 241 AAGGAAAAACATCTCCCAAAAGCCAAAGAAATCTTGAACGAGATACGTATGCT 300
Db 2440 AAGGAAAAACATCTCCCAAAAGCCAAAGAAATCTTGAACGAGATACGTATGCT 2499
QY 301 GGTGTGGGCTCCCATATGTCTCCGCTTCTGGGCACTGCGCATCCAGCGTGCAG 360
Db 2500 GGTGTGGGCTCCCATATGTCTCCGCTTCTGGGCACTGCGCATCCAGCGTGCAG 3659
QY 361 CTGGTGAACAGCTTATGCTTATGCTGCTCTTGAACGATGTCCGGAAACCGCGGA 420
Db 2560 CTGGTGAACAGCTTATGCTTATGCTGCTCTTGAACGATGTCCGGAAACCGCGGA 2619
QY 421 CGCTGGGCTCCAGAGCTGCTGTAATGCTGTATGCAANTTGCAGAGGGATAGCTAC 480
Db 2620 CGCTGGGCTCCAGAGCTGCTGTAATGCTGTATGCAANTTGCAGAGGGATAGCTAC 2679
QY 481 CTGAGAGATGGGCGCTGTACAGAGGACTTGGCGCTGGGAACTGTGTCAAGT 540
Db 2680 CTGAGAGATGGGCGCTGTACAGAGGACTTGGCGCTGGGAACTGTGTCAAGT 2739
QY 541 CCNAACTATGCAAAATTAAGACTTGGGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
Db 2740 CCNAACTATGCAAAATTAAGACTTGGGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2799
QY 601 GAGTACCATGCAATGGGGCAAGGTGCTCATCAAGTGAATGCGCTGAGTCCATTCTC 660
Db 2800 GAGTACCATGCAATGGGGCAAGGTGCTCATCAAGTGAATGCGCTGAGTCCATTCTC 2859
QY 661 CGCCGCGGTTACCCACAGAGTATGTGAGATTATGTTGACTGTGTGGAGCTG 720

Db 2860 CCGCGGCGTTCAACCACAGATGATGTGAGTTATGTGTGATCTGTGTGGAGCTG 2919
 Qy 721 ATGACTTTTGGGGCCAAACCTTACGATGGATCCAGCCCGGAGATCCCTGACCTGTG 780
 Db 2920 ATGACTTTTGGGGCCAAACCTTACGATGGATCCAGCCCGGAGATCCCTGACCTGTG 2979
 Qy 781 GAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGACCATTTGATGTCTACATGATCATG 840
 Db 2980 GAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGACCATTTGATGTCTACATGATCATG 3039
 Qy 841 GTCAAATGTGGAATGATGACTCTGAATGTGGGCCAAGATTCGGGAGTGTGTCTGAA 900
 Db 3040 GTCAAATGTGGAATGATGACTCTGAATGTGGGCCAAGATTCGGGAGTGTGTCTGAA 3099
 Qy 901 TTCTCCCGCATGGCCAGGAGACCCCGAGCGCTTTGTGTGATCAGAAATGAGACTTGGGC 960
 Db 3100 TTCTCCCGCATGGCCAGGAGACCCCGAGCGCTTTGTGTGATCAGAAATGAGACTTGGGC 3159
 Qy 961 CCAAGCAGTCCCTTGGAGACACCTTTCTACCGCTCACTGCTGGAGAGCATGATGAGG 1020
 Db 3160 CCAAGCAGTCCCTTGGAGACACCTTTCTACCGCTCACTGCTGGAGAGCATGATGAGG 3219
 Qy 1021 GACCTGTGTGATCTGAGAGATCTGTGATCCCGAGCGGCTTTCTGTCTCAACCTT 1080
 Db 3220 GACCTGTGTGATCTGAGAGATCTGTGATCCCGAGCGGCTTTCTGTCTCAACCTT 3279
 Qy 1081 GCGCGGCGGCTGCGGGGATGATCCACCAAGGACCGGACTCTTACAGAGATGAC 1140
 Db 3280 GCGCGGCGGCTGCGGGGATGATCCACCAAGGACCGGACTCTTACAGAGATGAC 3339
 Qy 1141 GGTGGGAGCTTGACATGAGGCTGAGGCTCTTGAAAGAGAGGCGCCAGGTCTCACTG 1200
 Db 3340 GGTGGGAGCTTGACATGAGGCTGAGGCTCTTGAAAGAGAGGCGCCAGGTCTCACTG 3399
 Qy 1201 GCAACCTCCGAAAGGGGCTGCTCCGATGATTTGATGTGTGACTGTGGAAATGGGGGACGC 1260
 Db 3400 GCAACCTCCGAAAGGGGCTGCTCCGATGATTTGATGTGTGACTGTGGAAATGGGGGACGC 3459
 Qy 1261 AAGGGGCTGCAAAAGCTCCCAACATGACCCCAAGCCTCTACAGCGGATCAGTAGAGAC 1320
 Db 3460 AAGGGGCTGCAAAAGCTCCCAACATGACCCCAAGCCTCTACAGCGGATCAGTAGAGAC 3519
 Qy 1321 CCAACAGTACCCCTGCTGCTGAGACTGATGCTGAGCTGAGCGCCCTGACCTGACGCCCC 1380
 Db 3520 CCAACAGTACCCCTGCTGCTGAGACTGATGCTGAGCTGAGCGCCCTGACCTGACGCCCC 3579
 Qy 1381 CAGCTGGAATATGTGAACCAAGCAGATGTTGGGCCCCAGCCCTTCCGCGGAGAGGAC 1440
 Db 3580 CAGCTGGAATATGTGAACCAAGCAGATGTTGGGCCCCAGCCCTTCCGCGGAGAGGAC 3639
 Qy 1441 CCTGTGCTGCTGCGGACCTGCTGCTGCACTCTGAAAGGCGCAAGACTCTCTCCCA 1500
 Db 3640 CCTGTGCTGCTGCGGACCTGCTGCTGCACTCTGAAAGGCGCAAGACTCTCTCCCA 3699
 Qy 1501 GGGAGAAATGGGGTGTCAAAAGCGTTTTTGTGGGGGTGCCGTGGAGAAACCCGAG 1560
 Db 3700 GGGAGAAATGGGGTGTCAAAAGCGTTTTTGTGGGGGTGCCGTGGAGAAACCCGAG 3759
 Qy 1561 TACTTTGACACCCCAAGGAGAGCTGCCCTCAGCCCACTCTCTGCTGCTTCAAGCCCA 1620
 Db 3760 TACTTTGACACCCCAAGGAGAGCTGCCCTCAGCCCACTCTCTGCTGCTTCAAGCCCA 3819
 Qy 1621 GCCTTGCAGCACTTATTAATGGGACCAAGGACCAAGGCGGGGGCTCAACCCAGC 1680
 Db 3820 GCCTTGCAGCACTTATTAATGGGACCAAGGACCAAGGCGGGGGCTCAACCCAGC 3879
 Qy 1681 ACCTTCAAGGAGACCTTACGAGAGAAACCAAGATCCTTGGGTCTGACCTGCAAGTG 1740
 Db 3880 ACCTTCAAGGAGACCTTACGAGAGAAACCAAGATCCTTGGGTCTGACCTGCAAGTG 3939

RESULT 10
 US-10-723-860-8

; Sequence 8, Application US/10723860
 ; Publication No. US20040253606A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Azis, Natasha
 ; APPLICANT: Gineburg, Wendy M.
 ; APPLICANT: Zlocnik, Albert
 ; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
 ; FILE REFERENCE: 05882.0193.NPUS01
 ; CURRENT APPLICATION NUMBER: US/10723, 860
 ; PRIOR FILING DATE: 2003-11-26
 ; PRIOR APPLICATION NUMBER: 60/429, 739
 ; NUMBER OF SEQ ID NOS: 8393
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 8
 ; LENGTH: 4473
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-10-723-860-8

Query Match 100.0%; Score 1740; DB 18; Length 4473;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AAGCGACGCGAGCAGAGATCCGAAATGATACAGATGCGGAGACTGCGAGGAAACGAG 60
 Db 2200 AAGCGACGCGAGCAGAGATCCGAAATGATACAGATGCGGAGACTGCGAGGAAACGAG 2259
 Qy 61 CTGTGTGAGCGGCTGACACCTTACGCGAGCGATGCCCAACAGGCGGAGATGCTGCTG 120
 Db 2260 CTGTGTGAGCGGCTGACACCTTACGCGAGCGATGCCCAACAGGCGGAGATGCTGCTG 2319
 Qy 121 AAAGAGAGAGAGCTGAGAGAGGATGAGGATGAGGATGAGGATGAGGATGAGGATGAG 180
 Db 2320 AAAGAGAGAGAGCTGAGAGAGGATGAGGATGAGGATGAGGATGAGGATGAGGATGAG 2379
 Qy 181 AAGGCACTGTGATCCCTGATGTGGAGATGAAATTTCCAGTGGCCATCAAGGTGTTG 240
 Db 2380 AAGGCACTGTGATCCCTGATGTGGAGATGAAATTTCCAGTGGCCATCAAGGTGTTG 2439
 Qy 241 AAGGAAACATCCCGCAAGGACCAAGAAATCTTACAGAGATCAGTATGCT 300
 Db 2440 AAGGAAACATCCCGCAAGGACCAAGAAATCTTACAGAGATCAGTATGCT 2499
 Qy 301 GGTGTGGGCTCCCATATGTCTCCCGCTTCTGGGACCTGCTGACATCCAGGTGACG 360
 Db 2500 GGTGTGGGCTCCCATATGTCTCCCGCTTCTGGGACCTGCTGACATCCAGGTGACG 2559
 Qy 361 CTGTGTGACAGCTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
 Db 2560 CTGTGTGACAGCTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2619
 Qy 421 CGCTGTGGCTCCAGAGCTTGTGAACTGTGTATGACAGATTTCCAGGGGATGAGCTAC 480
 Db 2620 CGCTGTGGCTCCAGAGCTTGTGAACTGTGTATGACAGATTTCCAGGGGATGAGCTAC 2679
 Qy 481 CTGTGTGATGTGCGGCTGTGTACAGAGGACTTTGGGCGCTCCGGAAGTGTCTGTAAGT 540
 Db 2680 CTGTGTGATGTGCGGCTGTGTACAGAGGACTTTGGGCGCTCCGGAAGTGTCTGTAAGT 2739
 Qy 541 CCAACATGTCAAAATTAAGACTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
 Db 2740 CCAACATGTCAAAATTAAGACTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2799
 Qy 601 GAGTACATGAGATGGGGGCAAGGTGCCATCAAGTGTGAGCGCTGAGATCAATTTCTC 660
 Db 2800 GAGTACATGAGATGGGGGCAAGGTGCCATCAAGTGTGAGCGCTGAGATCAATTTCTC 2859
 Qy 661 CGCGGCGGCTTCAACCAAGAGCATGTGTGAGATTTAGTGTGATCTGTGTGAGAGCTG 720
 Db 2860 CGCGGCGGCTTCAACCAAGAGCATGTGTGAGATTTAGTGTGATCTGTGTGAGAGCTG 2919

| | | | |
|----|------|---|------|
| QY | 721 | ATGACTTTTGGGGCCAAACCTTTACGATGGGATCCAGCCCGGGAGATCCCTGACTGCTG | 780 |
| Db | 2920 | ATGACTTTTGGGGCCAAACCTTTACGATGGGATCCAGCCCGGGAGATCCCTGACTGCTG | 2979 |
| QY | 781 | GAAAAAGGGGAGCGGCTGCCAGCGCCCCCATCTGCACCATTTGATGTCTACATGATCATG | 840 |
| Db | 2980 | GAAAAAGGGGAGCGGCTGCCAGCGCCCCCATCTGCACCATTTGATGTCTACATGATCATG | 3039 |
| QY | 841 | GTCAATGTGGATGATTGACTCTGGAATGTGCGGCCAAGATTTCCGGAGTTGGTGTCTGAA | 900 |
| Db | 3040 | GTCAATGTGGATGATTGACTCTGGAATGTGCGGCCAAGATTTCCGGAGTTGGTGTCTGAA | 3099 |
| QY | 901 | TTCTCCGCGCATGGCCAGGGACCCCCAGGCGTTTGGTGCATTCAGAAATAGAGACATTGGGC | 960 |
| Db | 3100 | TTCTCCGCGCATGGCCAGGGACCCCCAGGCGTTTGGTGCATTCAGAAATAGAGACATTGGGC | 3159 |
| QY | 961 | CCAGCCAGTCCCTTGGACAGACACTTTCACGCTCACTGCTGAGAGACGATGACATGGGG | 1020 |
| Db | 3160 | CCAGCCAGTCCCTTGGACAGACACTTTCACGCTCACTGCTGAGAGACGATGACATGGGG | 3219 |
| QY | 1021 | GACCTGTGGATGCTGAGAGATATCTGTAACCCAGCAGGGCTTTCTGTCCAGACCTT | 1080 |
| Db | 3220 | GACCTGTGGATGCTGAGAGATATCTGTAACCCAGCAGGGCTTTCTGTCCAGACCTT | 3279 |
| QY | 1081 | GCCCCGGGCGCTGGGGGGGATGGTCCACACAGGCAACCGACGTCATCTACAGAGATGGC | 1140 |
| Db | 3280 | GCCCCGGGCGCTGGGGGGGATGGTCCACACAGGCAACCGACGTCATCTACAGAGATGGC | 3339 |
| QY | 1141 | GGTGGGAGACTGACACTAGGGCTGAGGCCCTCTGAAAGAGAGAGGCCCCAGGCTTTCACATG | 1200 |
| Db | 3340 | GGTGGGAGACTGACACTAGGGCTGAGGCCCTCTGAAAGAGAGAGGCCCCAGGCTTTCACATG | 3399 |
| QY | 1201 | GCAACCTTCCGAAAGGGGGCTGGCTCCGATGTATTTGATGGTGACCTGAGGAATGGGGGCAACC | 1260 |
| Db | 3400 | GCAACCTTCCGAAAGGGGGCTGGCTCCGATGTATTTGATGGTGACCTGAGGAATGGGGGCAACC | 3459 |
| QY | 1261 | AAGGGGCTGCAAAAGGCTCTCCCAACATAGCCCCAGCCCTTACAGCGGTACAGTGAAGGAC | 1320 |
| Db | 3460 | AAGGGGCTGCAAAAGGCTCTCCCAACATAGCCCCAGCCCTTACAGCGGTACAGTGAAGGAC | 3519 |
| QY | 1321 | CCCAACATAGCCCCCTCTTGAGACTGATGGCTACGTTGGCCCCCTTACCTGACCTGCAGCCCC | 1380 |
| Db | 3520 | CCCAACATAGCCCCCTCTCTGAGACTGATGGCTACGTTGGCCCCCTTACCTGACCTGCAGCCCC | 3579 |
| QY | 1381 | CAGCCTGAATATGTGAACCAAGCCAGATGTGTGGCCCCCAGCCCCCTTGGCCCCGAGAGGGC | 1440 |
| Db | 3580 | CAGCCTGAATATGTGAACCAAGCCAGATGTGTGGCCCCCAGCCCCCTTGGCCCCGAGAGGGC | 3639 |
| QY | 1441 | CCTGTGCTGCTGCCCGACCTGCTGGGTGCACTCTGAGAAAGGCCAAGACTCTCTGCCCA | 1500 |
| Db | 3640 | CCTGTGCTGCTGCCCGACCTGCTGGGTGCACTCTGAGAAAGGCCAAGACTCTCTGCCCA | 3699 |
| QY | 1501 | GAGAGAAATGGGAGTGTCTCAAAAGACGTTTTTGTGGGGGTGCCGTGAGAACCCCGAG | 1560 |
| Db | 3700 | GAGAGAAATGGGAGTGTCTCAAAAGACGTTTTTGTGGGGGTGCCGTGAGAACCCCGAG | 3759 |
| QY | 1561 | TACTTGAACCCCAAGGAGGAGCTGCCCTCAGCCCCACCTTCCTCTGCTTCAAGCCCA | 1620 |
| Db | 3760 | TACTTGAACCCCAAGGAGGAGCTGCCCTCAGCCCCACCTTCCTCTGCTTCAAGCCCA | 3819 |
| QY | 1621 | GCTTTCGACAACTCTATTACTTGGGACAGAGACCCACAGAGCGGGGGCTTCCACCAGC | 1680 |
| Db | 3820 | GCTTTCGACAACTCTATTACTTGGGACAGAGACCCACAGAGCGGGGGCTTCCACCAGC | 3879 |
| QY | 1681 | ACCTTCAAAAGGAGACCTTACGCGACAGAGACCCCAAGATACCTTGGGTCTTGAACGTGCACGTG | 1740 |
| Db | 3880 | ACCTTCAAAAGGAGACCTTACGCGACAGAGACCCCAAGATACCTTGGGTCTTGAACGTGCACGTG | 3939 |

```

; GENERAL INFORMATION:
; APPLICANT: Hand-Zimmerman, Susan
; APPLICANT: Cheever, Martin A.
; APPLICANT: Foy, Teresa M.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Kalos, Michael D.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Vedvick, Thomas S.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS
; OF HER-2/NEU-ASSOCIATED MALIGNANCIES
; FILE REFERENCE: 210121.544
; CURRENT APPLICATION NUMBER: US/09/930,125
; CURRENT FILING DATE: 2001-08-14
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 1755
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-930-125-6

```

| Query Match | Similarity | 99.9% | Score 1738.4 | DB 9 | Length 1755 | |
|--------------|--------------|---|--|---|------------------------------------|----|
| Beet Local | Similarity | 99.9% | Pred. No. 0 | | | |
| Matches 1739 | Conservative | 0 | Mismatches 1 | Indels 0 | Gaps 0 | |
| QY | 1 | AAGCACA | CGGCAGCAGAA | GAATCCGGAA | GTACACGATGCCGAGACTCTCTCAGGAAACGGAG | 60 |
| Db | 4 | AAACGAC | CGGCAGCAGAA | GAATCCGGAA | GTACACGATGCCGAGACTCTCTCAGGAAACGGAG | 63 |
| QY | 61 | CTGTGTGAG | CGCCTGTGACACTTA | TGCGGAGCCGATGCCAACCAGGCGCAGATGCGGATCCTG | 120 | |
| Db | 64 | CTGTGTGAG | CGCCTGTGACACTTA | TGCGGAGCCGATGCCAACCAGGCGCAGATGCGGATCCTG | 123 | |
| QY | 121 | AAAGGAGA | GGGAGCTGAGGAAAGGTGAAGGTGCTGTGATCTGTGGCGCTTTTGGACACATCTAC | 180 | | |
| Db | 124 | AAAGGAGA | GGGAGCTGAGGAAAGGTGAAGGTGCTGTGATCTGTGGCGCTTTTGGACACATCTAC | 183 | | |
| QY | 181 | AAGGCACTCTGGATCCCTGATG | GGGAGAAATGTGAAATTTCCAGTGGCCATCAAATGTGTG | 240 | | |
| Db | 184 | AAGGCACTCTGGATCCCTGATG | GGGAGAAATGTGAAATTTCCAGTGGCCATCAAATGTGTG | 243 | | |
| QY | 241 | AAGGAAAA | CACATCCCCCAAAAGCCAA | CAAGAAATCTTTAGACGAAGCATACGATGAGCT | 300 | |
| Db | 244 | AAGGAAAA | CACATCCCCCAAAAGCCAA | CAAGAAATCTTTAGACGAAGCATACGATGAGCT | 303 | |
| QY | 301 | GGTGTGGGCTCCCCCATATGTCTCCCGCTTTCTGGGACATCTGCTGACATCCACGGTGTGAG | 360 | | | |
| Db | 304 | GGTGTGGGCTCCCCCATATGTCTCCCGCTTTCTGGGACATCTGCTGACATCCACGGTGTGAG | 363 | | | |
| QY | 361 | CTGTGTGACACAGCTTAATGCTCCCTATGAGCTGCGCTCTTAAGACCAATGTCCGGGAAAAACCGCGGA | 420 | | | |
| Db | 364 | CTGTGTGACACAGCTTAATGCTCCCTATGAGCTGCGCTCTTAAGACCAATGTCCGGGAAAAACCGCGGA | 423 | | | |
| QY | 421 | CGCCTGGGCTCCCAAGAACCTGCTGAACTGTGTATGTACGATTTGCCAAGGGGATGAGCTAC | 480 | | | |
| Db | 424 | CGCCTGGGCTCCCAAGAACCTGCTGAACTGTGTATGTACGATTTGCCAAGGGGATGAGCTAC | 483 | | | |
| QY | 481 | CTGTGAGAGATGTGCGGCTGTGTACACAGGGACTTTGGCGCGCTCGGAACTGTCTGTCAAGAGT | 540 | | | |
| Db | 484 | CTGTGAGAGATGTGCGGCTGTGTACACAGGGACTTTGGCGCGCTCGGAACTGTCTGTCAAGAGT | 543 | | | |
| QY | 541 | CCCAACCATGTCCAATAATTACAGACTGTGGGGCGGGCTGCGCTGTGGAACATTTGACGAGACA | 600 | | | |
| Db | 544 | CCCAACCATGTCCAATAATTACAGACTGTGGGGCGGGCTGCGCTGTGGAACATTTGACGAGACA | 603 | | | |
| QY | 601 | GAGTACCATGTGAGATGTGGGGCGAAGGTGCCATCAAGTGAATGCGGCTTGAGTCCATTCTC | 660 | | | |
| Db | 604 | GAGTACCATGTGAGATGTGGGGCGAAGGTGCCATCAAGTGAATGCGGCTTGAGTCCATTCTC | 663 | | | |
| QY | 661 | CGCCGCGCGTTCAACCCACACAGATGATGTGTGAGATTATGATGTGATCTGTGTGGAGCTG | 720 | | | |
| Db | 664 | CGCCGCGCGTTCAACCCACACAGATGATGTGTGAGATTATGATGTGATCTGTGTGGAGCTG | 723 | | | |

| | | | |
|----|------|--|------|
| QY | 721 | ATGACTTTTGGGGGCGAAACCTTTACGATGGAGATCCAGCGGGAGATCCCTGACCTGCTG | 780 |
| Db | 724 | ATGACTTTTGGGGGCGAAACCTTTACGATGGAGATCCAGCGGGAGATCCCTGACCTGCTG | 783 |
| QY | 781 | GAAGAGGGGGGAGCGGCTGCCCCAGCGCCCCCTTGCAACATTGATGTCTACATGATCATG | 840 |
| Db | 784 | GAAGAGGGGGGAGCGGCTGCCCCAGCGCCCCCTTGCAACATTGATGTCTACATGATCATG | 843 |
| QY | 841 | GTCAAATGTTGGATGATTGACTCTGAAATGTGCGGCCAAGATTCGGGAGATTGGTCTGAA | 900 |
| Db | 844 | GTCAAATGTTGGATGATTGACTCTGAAATGTGCGGCCAAGATTCGGGAGATTGGTCTGAA | 903 |
| QY | 901 | TTTCTCCCGCAGTGGCGAGGAGACCCCGAGCGTTTGTGTGATCCAGAAAGAGACCTGCGGC | 960 |
| Db | 904 | TTTCTCCCGCAGTGGCGAGGAGACCCCGAGCGTTTGTGTGATCCAGAAAGAGACCTTGGGC | 963 |
| QY | 961 | CCAGCCAGTCCCTTGTGACAGACACTTTCACCGCTCACTGCTGTGAGAGACGATGACATGGAGG | 1020 |
| Db | 964 | CCAGCCAGTCCCTTGTGACAGACACTTTCACCGCTCACTGCTGTGAGAGACGATGACATGGAGG | 1023 |
| QY | 1021 | GACCTGTGTGATGCTGAGAGAGTATCTGTATCCCGACAGGGCTTTCTGTCCAGACCTT | 1080 |
| Db | 1024 | GACCTGTGTGATGCTGAGAGTATCTGTATCCCGACAGGGCTTTCTGTCTCAGACCTT | 1083 |
| QY | 1081 | GCCCCGGGGCGGTGGGGGGATGTTGTCAACAAGGACCCGACACTCATCTACAGAGATGAGC | 1140 |
| Db | 1084 | GCCCCGGGGCGGTGGGGGGATGTTGTCAACAAGGACCCGACACTCATCTACAGAGATGAGC | 1143 |
| QY | 1141 | GGTGGGGACCTGACACTATGAGGCTGGAAGCCTCTGTGAAGAGAGGCCCCAGGCTTCCACTG | 1200 |
| Db | 1144 | GGTGGGGACCTGACACTATGAGGCTGGAAGCCTCTGTGAAGAGAGGCCCCAGGCTTCCACTG | 1203 |
| QY | 1201 | GCAACCTTCCGAGGGGGCTGGCTGCGATGTATTTGATGTGTGACTGTGGAAATGGGGGACACC | 1260 |
| Db | 1204 | GCAACCTTCCGAGGGGGCTGGCTGCGATGTATTTGATGTGTGACTGTGGAAATGGGGGACACC | 1263 |
| QY | 1261 | AAGGGGCTGCAAAACCTTCCCAACATGACCCCAAGCCTCTACAGAGCGGTACAGTGAAGAC | 1320 |
| Db | 1264 | AAGGGGCTGCAAAACCTTCCCAACATGACCCCAAGCCTCTACAGAGCGGTACAGTGAAGAC | 1323 |
| QY | 1321 | CCCAACAGTACCCCTGCGCCTCTGTGAGACTATGAGTATGTCGCCCTTACCTGACCTGACGCCC | 1380 |
| Db | 1324 | CCCAACAGTACCCCTGCGCCTCTGTGAGACTATGAGTATGTCGCCCTTACCTGACCTGACGCCC | 1383 |
| QY | 1381 | CAGCCTGAATATGTGAACCAAGCAGATGTTGCGGCCCAAGCCTTTCGCCCCGAGAGGGC | 1440 |
| Db | 1384 | CAGCCTGAATATGTGAACCAAGCAGATGTTGCGGCCCAAGCCTTTCGCCCCGAGAGAGGC | 1443 |
| QY | 1441 | CCTCTGCCCTGTCGCCCACTGCTGTGTGTGCACACTGTGAAAGGCCCAAGACTCTCTCCCA | 1500 |
| Db | 1444 | CCTCTGCCCTGTCGCCCACTGCTGTGTGTGCACACTGTGAAAGGCCCAAGACTCTCTCCCA | 1503 |
| QY | 1501 | GGGAAGATGGGGGTGCTCAAGAGAGTTTTCCTTTGGGGGGTGCGTGTGAAGAACCCGAG | 1560 |
| Db | 1504 | GGGAAGATGGGGGTGCTCAAGAGAGTTTTCCTTTGGGGGGTGCGTGTGAAGAACCCGAG | 1563 |
| QY | 1561 | TACTTTGACACCCAGGAGAGAGTCTGCCCTGACGCCCAACCTCTCTCTGCTTCAAGCCCA | 1620 |
| Db | 1564 | TACTTTGACACCCAGGAGAGAGTCTGCCCTGACGCCCAACCTCTCTCTGCTTCAAGCCCA | 1623 |
| QY | 1621 | GCTTTGCAACAACCTTCTATTACTGTGGGACCAAGACCCACAGACGGGGGGGCTTCAACCAAGC | 1680 |
| Db | 1624 | GCTTTGCAACAACCTTCTATTACTGTGGGACCAAGACCCACAGACGGGGGGGCTTCAACCAAGC | 1683 |
| QY | 1681 | ACCTTCAAGGGGACACCTTACGGGACAGAAACCAAGATCACTGGGCTGTGAAGTGCACATG | 1740 |
| Db | 1684 | ACCTTCAAGGGGACACCTTACGGGACAGAAACCAAGATCACTGGGCTGTGAAGTGCACATG | 1743 |

```

: GENERAL INFORMATION:
: APPLICANT: Hand-Zimmerman, Susan
: APPLICANT: Cheever, Martin A.
: APPLICANT: Foy, Teresa M.
: APPLICANT: Lodes, Michael J.
: APPLICANT: Kalos, Michael D.
: APPLICANT: McNeill, Patricia D.
: APPLICANT: Vedvick, Thomas S.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS
: TITLE OF INVENTION: OF HER-2/NEU-ASSOCIATED MALIGNANCIES
: FILE REFERENCE: 210121.544
: CURRENT APPLICATION NUMBER: US/09/930,125
: CURRENT FILING DATE: 2001-08-14
: NUMBER OF SEQ. ID NOS: 25
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ. ID NO 4
: LENGTH: 1767
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-09-930-125-4

```

| | | | | | |
|-----------------------|-----------------|---|-----------|--------------|--|
| Query Match | 99.9%; | Score 1738.4; | DB 9; | Length 1767; | |
| Best Local Similarity | 99.9%; | Pred. No. 0; | | | |
| Matches 1733; | Conservative 0; | Mismatches 1; | Indels 0; | Gaps 0; | |
| QY | 1 | AAGCGACGCGACGAGAAAGATCCGGAATACACGATGCGGAGACTGCTGCAGAGAAACGAG | 60 | | |
| Db | 4 | AAACGACGCGACGAGAAAGATCCGGAAGTACACGATGCGGAGACTGCTGCAGAGAAACGAG | 63 | | |
| QY | 61 | CTGTGGAGGCCCTGTGACACTTAAGCGAGCGATGCCCCAACAGGCGGAGATGCGGATCTTG | 120 | | |
| Db | 64 | CTGTGGAGGCCCTGTGACACTTAAGCGAGCGATGCCCCAACAGGCGGAGATGCGGATCTTG | 123 | | |
| QY | 121 | AAAGAGCGGAGCTGAGGAAGTGAAGGTCTTGATCTGAGCGCTTTTGCCACAGTCTAC | 180 | | |
| Db | 124 | AAAGAGCGGAGCTGAGGAAGTGAAGGTCTTGATCTGAGCGCTTTTGCCACAGTCTAC | 183 | | |
| QY | 181 | AAGGCATCTGATCTCCCTGATGGGAGAAATGTGAAATTCGAGGCAATCAAAAGTGTG | 240 | | |
| Db | 184 | AAGGCATCTGATCTCCCTGATGGGAGAAATGTGAAATTCGAGGCAATCAAAAGTGTG | 243 | | |
| QY | 241 | AGGGAACACATCTCCCCAAAGCCACAAAGAAATCTTAACGAAGATACGTATGGCT | 300 | | |
| Db | 244 | AGGGAACACATCTCCCCAAAGCCACAAAGAAATCTTAACGAAGATACGTATGGCT | 303 | | |
| QY | 301 | GGTGTGGGCTCCCCATATGTCTCCCGCTTCTGGGACATCTGACATCAACGGTCCAG | 360 | | |
| Db | 304 | GGTGTGGGCTCCCCATATGTCTCCCGCTTCTGGGACATCTGACATCAACGGTCCAG | 363 | | |
| QY | 361 | CTGTGTACACAGCTTATGCCCTATGTGCTGTGCTCTTGAACGATGTCGGGAAAAACCGCGA | 420 | | |
| Db | 364 | CTGTGTACACAGCTTATGCCCTATGTGCTGTGCTCTTGAACGATGTCGGGAAAAACCGCGA | 423 | | |
| QY | 421 | CGCTGTGGGCTCCACAGACCTGTCTGAACTGTGTATGTGCAATTTGCCAAGGGATTAAGCTAC | 480 | | |
| Db | 424 | CGCTGTGGGCTCCACAGACCTGTCTGAACTGTGTATGTGCAATTTGCCAAGGGATTAAGCTAC | 483 | | |
| QY | 481 | CTGGAGATGTGCGGCTCGTACACAGGGACTTTGGCCGCTCGGAACTGTGCTCAAGT | 540 | | |
| Db | 484 | CTGGAGATGTGCGGCTCGTACACAGGGACTTTGGCCGCTCGGAACTGTGCTCAAGT | 543 | | |
| QY | 541 | CCCAACCATGTCAAAATTTACAGACTTGCGGCTGTGCTGTGCTGACATTTGACGAGACA | 600 | | |
| Db | 544 | CCCAACCATGTCAAAATTTACAGACTTGCGGCTGTGCTGTGCTGACATTTGAGAGACACA | 603 | | |
| QY | 601 | GAGTACCATGCAATGGGGGCAAGTGCCTCAAGTGAATGGGCTGGAGTCCATCTTC | 660 | | |
| Db | 604 | GAGTACCATGCAATGGGGGCAAGTGCCTCAAGTGAATGGGCTGGAGTCCATCTTC | 663 | | |
| QY | 661 | CGCGGCGGTTCAACCCACAGAGTATGTGTGAGTTATGGTGTGACTGTGTGGGACTGTG | 720 | | |
| Db | 664 | CGCGGCGGTTCAACCCACAGAGTATGTGTGAGTTATGGTGTGACTGTGTGGGACTGTG | 723 | | |

QY 721 ATGACTTTTGGGGCCAAACCTTAAGATGGATCCAGGCCGGGAGATCCCTGACCTGCTG 780
Db 724 ATGACTTTTGGGGCCAAACCTTAAGATGGATCCAGGCCGGGAGATCCCTGACCTGCTG 783
QY 781 GAAAAGGGGAGCGGCTGCCAGGCCCCCACTCTGACCATTTGATGTCTACATGATCATG 840
Db 784 GAAAAGGGGAGCGGCTGCCAGGCCCCCACTCTGACCATTTGATGTCTACATGATCATG 843
QY 841 GTCAATTTGGATGATGACTCTGAATGTGCGCCCAAGATTCGGGAGTTGTGTCTGAA 900
Db 844 GTCAATTTGGATGATGACTCTGAATGTGCGCCCAAGATTCGGGAGTTGTGTCTGAA 903
QY 901 TTCTCCGCGATGGCCAGGAGCCCGGAGGCTTTGTGTGTCATCCAAAGAAGACTTTGGC 960
Db 904 TTCTCCGCGATGGCCAGGAGCCCGGAGGCTTTGTGTGTCATCCAAAGAAGACTTTGGC 963
QY 961 CCAGCAGATCCCTTGGAGCAGACCTTCTACCGCTCACTGCTGAGAGACATGAGGAG 1020
Db 964 CCAGCAGATCCCTTGGAGCAGACCTTCTACCGCTCACTGCTGAGAGACATGAGGAG 1023
QY 1021 GACCTGTGTGATGTGAGAGATCTGTATCCCGCAGAGGCTTTCTGTCCAGACCT 1080
Db 1024 GACCTGTGTGATGTGAGAGATCTGTATCCCGCAGAGGCTTTCTGTCTCAGACCT 1083
QY 1081 GCGCCGGGGCGCTGGGGGATGGTCCACACAGGACCCGAGTCACTTACACAGAGTGGC 1140
Db 1084 GCGCCGGGGCGCTGGGGGATGGTCCACACAGGACCCGAGTCACTTACACAGAGTGGC 1143
QY 1141 GGTGGGAGCTGACACTAGAGGCTGAGCCCTCTGAAGAAGAGGCCCCAGGCTCTCACTG 1200
Db 1144 GGTGGGAGCTGACACTAGAGGCTGAGCCCTCTGAAGAAGAGGCCCCAGGCTCTCACTG 1203
QY 1201 GCACTCTCCGAAAGGGCTGGCTCCGATGTATTTGATGTGACTGGGAATGGGGGAGCC 1260
Db 1204 GCACTCTCCGAAAGGGCTGGCTCCGATGTATTTGATGTGACTGGGAATGGGGGAGCC 1263
QY 1261 AAGGGGCTGCAAAAGCTCCCAACATAGCCCAAGCCCTTACAGCGGTACATGAGAGC 1320
Db 1264 AAGGGGCTGCAAAAGCTCCCAACATAGCCCAAGCCCTTACAGCGGTACATGAGAGC 1323
QY 1321 CCCACAGTACCCCTGCTCTGAGACTGATGGCTGATGCCCTTGAACCTGAGAGCC 1380
Db 1324 CCCACAGTACCCCTGCTCTGAGACTGATGGCTGATGCCCTTGAACCTGAGAGCC 1383
QY 1381 CAGCCTGAATATGTGAACCAAGCAGATGTGGCCCAAGCCCTTGGCCCGGAGAGGC 1440
Db 1384 CAGCCTGAATATGTGAACCAAGCAGATGTGGCCCAAGCCCTTGGCCCGGAGAGGC 1443
QY 1441 CCTCTGCTGCTGCCCGACCTGCTGTGTGCACTCTGGAAGAGCCCAAGACTCTCTCCCA 1500
Db 1444 CCTCTGCTGCTGCCCGACCTGCTGTGTGCACTCTGGAAGAGCCCAAGACTCTCTCCCA 1503
QY 1501 GGAAGAAATGGGGGTGTCAAAAGAGTTTGTGCTTTGGGGGGTGGCGTGAAGAACCCGAG 1560
Db 1504 GGAAGAAATGGGGGTGTCAAAAGAGTTTGTGCTTTGGGGGGTGGCGTGAAGAACCCGAG 1563
QY 1561 TACTTGAACCCAGGAGAGCTGCCCTCAAGCCCAACCTCTCTCTGCTTCAAGCCCA 1620
Db 1564 TACTTGAACCCAGGAGAGCTGCCCTCAAGCCCAACCTCTCTCTGCTTCAAGCCCA 1623
QY 1621 GCTTTCGACAACTTATTACTGGGACAGAGCCCAAGAGCGGGGGCTCTCACCCAGC 1680
Db 1624 GCTTTCGACAACTTATTACTGGGACAGAGCCCAAGAGCGGGGGCTCTCACCCAGC 1683
QY 1681 ACCTTCAAGGGAGCACTTACGGCAGAGAACCAAGATCTGAGGTCTGAGACGTGCACTG 1740
Db 1684 ACCTTCAAGGGAGCACTTACGGCAGAGAACCAAGATCTGAGGTCTGAGACGTGCACTG 1743

GENERAL INFORMATION:
; APPLICANT: Hand-Zimmerman, Susan
; APPLICANT: Cheever, Martin A.
; APPLICANT: Foy, Teresa M.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Kalos, Michael D.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Vedrick, Thomas S.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.544
; CURRENT FILING DATE: 2001-08-14
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 7
; LENGTH: 1773
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-930-125-7

Query Match 99.9%; Score 1738.4; DB 9; Length 1773;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAGCGACGGCAGCAGAGATCCGGAATGACACAGATCCGGAATCTGTCAGAGAAACGGAG 60
Db 28 AAACGACGGCAGCAGAGATCCGGAATGACACAGATCCGGAATCTGTCAGAGAAACGGAG 87
QY 61 CTGTGTGAGCGGCTGACACTTACAGGAGAGTGGCCCAACAGAGGCGAGATGGATCCCTG 120
Db 88 CTGTGTGAGCGGCTGACACTTACAGGAGAGTGGCCCAACAGAGGCGAGATGGATCCCTG 147
QY 121 AAGAGACGAGCTGAGAGAGTGAAGTGTGATGTGAGTGTGCGCTTTTGGACACTGTAC 180
Db 148 AAGAGACGAGCTGAGAGAGTGAAGTGTGATGTGAGTGTGCGCTTTTGGACACTGTAC 207
QY 181 AAGGCGATCTGATCTCTGATGGGAGATGTGAATTTCAAGTGGCCATCAAGTGTG 240
Db 208 AAGGCGATCTGATCTCTGATGGGAGATGTGAATTTCAAGTGGCCATCAAGTGTG 267
QY 241 AAGGAAACACATCCCGCAAGCCCAACAAAGAAATCTTGAAGCAAGTACGTGTGCT 300
Db 268 AAGGAAACACATCCCGCAAGCCCAACAAAGAAATCTTGAAGCAAGTACGTGTGCT 327
QY 301 GGTGTGGCTCCCATATGTCTCCGCTTGTGGCATCTGACATCCAGCGTGGAG 360
Db 328 GGTGTGGCTCCCATATGTCTCCGCTTGTGGCATCTGACATCCAGCGTGGAG 387
QY 361 CTGTGACACAGCTTATATGCTCTTATGCTGCTCTTGAACATGTCCGGAAACCGCGAG 420
Db 388 CTGTGACACAGCTTATATGCTCTTATGCTGCTCTTGAACATGTCCGGAAACCGCGAG 447
QY 421 GCGCTGGGCTCCAGAGACCTGCTGAACCTGTGTATGCAAGTTGCCAAGGGAGTGA 480
Db 448 GCGCTGGGCTCCAGAGACCTGCTGAACCTGTGTATGCAAGTTGCCAAGGGAGTGA 507
QY 481 CTGAGAGATGTGGGCTGTACACAGGAGCTTGGCCGCTCGGAAAGTGTCTGTCAAGAGT 540
Db 508 CTGAGAGATGTGGGCTGTACACAGGAGCTTGGCCGCTCGGAAAGTGTCTGTCAAGAGT 567
QY 541 CCACACATGTCAAAATTAAGACTTGGGCTGTGGCTGTGGCTGTGACATTTGACAGACA 600
Db 568 CCACACATGTCAAAATTAAGACTTGGGCTGTGGCTGTGGCTGTGACATTTGACAGACA 627
QY 601 GAGTACCATGACAGATGGGGGAGAGGTGCCATCAAGTGAATGGCGCTGGATCTTCTC 660
Db 628 GAGTACCATGACAGATGGGGGAGAGGTGCCATCAAGTGAATGGCGCTGGATCTTCTC 687
QY 661 GCGCGGCGTTTCAACCCACAGAGTATGTGAGATTATGTGTGATCTGTGTGGAGCTG 720
Db 688 GCGCGGCGTTTCAACCCACAGAGTATGTGAGATTATGTGTGATCTGTGTGGAGCTG 747

Db 2686 CGCCGCGGCTTACCCACAGATGATGTGAGATTATGATGTGATCTGTGTGGAGCTG 2745
Qy 721 ATGACTTTTGGGGCCAAACCTTAGATGGATGCCAGCCCGGAGATCCCTGACTGCTG 780
Db 2746 ATGACTTTTGGGGCCAAACCTTAGATGGATGCCAGCCCGGAGATCCCTGACTGCTG 2805
Qy 781 GAAAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGACCACTTATGTTTACATGATCATG 840
Db 2806 GAAAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGACCACTTATGTTTACATGATCATG 2865
Qy 841 GTCAATGTTGGATGATTGACTCTGAAATGTGGGCAAGATTCCGGGAGTTGGTCTGAA 900
Db 2866 GTCAATGTTGGATGATTGACTCTGAAATGTGGGCAAGATTCCGGGAGTTGGTCTGAA 2925
Qy 901 TTCTCCGCGATGCGCAGGAGCCCGCAGCGCTTTGTGATCATCAAGATAGAGACTTGGGC 960
Db 2926 TTCTCCGCGATGCGCAGGAGCCCGCAGCGCTTTGTGATCATCAAGATAGAGACTTGGGC 2985
Qy 961 CCAGCCAGTCCCTTGGAGACACCTTTACCGCTCACTGCTGGAGAGACGATGACATGGGG 1020
Db 2986 CCAGCCAGTCCCTTGGAGACACCTTTACCGCTCACTGCTGGAGAGACGATGACATGGGG 3045
Qy 1021 GACCTGGATGATGCTGAGAGATCTGGTACCCAGCAGGGGCTTTGTGTCAGACCT 1080
Db 3046 GACCTGGATGATGCTGAGAGATCTGGTACCCAGCAGGGGCTTTGTGTCAGACCT 3105
Qy 1081 GCCCGGCGCTGGGGGCGATGGTCCACACAGCACCGCAGCTCATCTACAGAGAGTGGC 1140
Db 3106 GCCCGGCGCTGGGGGCGATGGTCCACACAGCACCGCAGCTCATCTACAGAGAGTGGC 3165
Qy 1141 GGTGGGGACTGACACTAGGGCTGAGCCCTCTGTAAGAGAGGCCCTCAGGCTTCACTG 1200
Db 3166 GGTGGGGACTGACACTAGGGCTGAGCCCTCTGTAAGAGAGGCCCTCAGGCTTCACTG 3225
Qy 1201 GCACCTCCGAGAGGGGCTGGCTCGATGTTTGAATGGTGACTGGGAGTGGGGCAGACC 1260
Db 3226 GCACCTCCGAGAGGGGCTGGCTCGATGTTTGAATGGTGACTGGGAGTGGGGCAGACC 3285
Qy 1261 AAGGGGCTGCAAGAGCTTCCCAACATGACCCAGCCCTCTACAGCGGTACAGTGAAGAC 1320
Db 3286 AAGGGGCTGCAAGAGCTTCCCAACATGACCCAGCCCTCTACAGCGGTACAGTGAAGAC 3345
Qy 1321 CCACAGTACCTCTGCTCTGAGACTGATGGCTACGTTGCCCTCTGACCTGCAAGCCCC 1380
Db 3346 CCACAGTACCTCTGCTCTGAGACTGATGGCTACGTTGCCCTCTGACCTGCAAGCCCC 3405
Qy 1381 CAGGCTGAATATGTAACAAGCCAGATGTTGGGCCCCAGCCCCCTTGCCCCGAGAGAGGC 1440
Db 3406 CAGGCTGAATATGTAACAAGCCAGATGTTGGGCCCCAGCCCCCTTGCCCCGAGAGAGGC 3465
Qy 1441 CCTGCTGCTGCTGCGCCGACCTGCTGATGCACTGTGAAGAGCCCAAGACTCTCCCCA 1500
Db 3466 CCTGCTGCTGCTGCGCCGACCTGCTGATGCACTGTGAAAAGGGCCAAAGACTCTCCCCA 3525
Qy 1501 GGGAAAGATGGGGTGTCAAGACGTTTTTGCTTTGGGGGTGCGCTGAGAAACCCCGAG 1560
Db 3526 GGGAAAGATGGGGTGTCAAGACGTTTTTGCTTTGGGGGTGCGCTGAGAAACCCCGAG 3585
Qy 1561 TACTTGAACCCCGAGGAGAGTGGCCCTCAGCCCCCCTCTCCCTGCTTCAAGCCCCA 1620
Db 3586 TACTTGAACCCCGAGGAGAGTGGCCCTCAGCCCCCCTCTCCCTGCTTCAAGCCCCA 3645
Qy 1621 GCGTTTCAACAACCTTATTACTTGGGACAGAGCCACAGAGCGGGGGCTTCAACCCAGC 1680
Db 3646 GCGTTTCAACAACCTTATTACTTGGGACAGAGCCACAGAGCGGGGGCTTCAACCCAGC 3705
Qy 1681 ACCTTCAAAAGGAGACCTTAGCGAGAGAACCCAGAGTACTTGGGCTTGGACGTGCACTG 1740
Db 3706 ACCTTCAAAAGGAGACCTTAGCGAGAGAACCCAGAGTACTTGGGCTTGGACGTGCACTG 3765

; Sequence 8, Application US/09811123
; Patent No. US2002001587A1
; GENERAL INFORMATION:
; APPLICANT: Sharon Erickson
; APPLICANT: Ralph Erickson
; APPLICANT: Mark Sliwowski
; TITLE OF INVENTION: METHODS OF TREATMENT USING ANTI-ErbB
; FILE REFERENCE: GENENT.073A2
; CURRENT FILING DATE: 2001-03-16
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: 60/238,327
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: 09/602,530
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 3768
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-811-123-8

Query March 99.9%; Score 1738.4; DB 9; Length 3768;
Beet Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 AAGCGACGCGCAGAGAGATCCGGAAGTACAGATGCGGAGACTGCTGACAGAAACGAG 60
Db 2026 AAGCGACGCGCAGAGAGATCCGGAAGTACAGATGCGGAGACTGCTGACAGAAACGAG 2085
Qy 61 CTGTGAGAGCCGCTGACACTTACGAGAGCGATGCCAAACAGGCGAGATCGGATCCTG 120
Db 2086 CTGTGAGAGCCGCTGACACTTACGAGAGCGATGCCAAACAGGCGAGATCGGATCCTG 2145
Qy 121 AAAGAGCGAGCTGAGAGAGTGAAGTGGATCTGGGCTTTTGGACAAGTCTAC 180
Db 2146 AAAGAGCGAGCTGAGAGAGTGAAGTGGATCTGGGCTTTTGGACAAGTCTAC 2205
Qy 181 AAGGCACTTGGATCCCTGATGGGAGAGTGAATAATCCAGTGGCCATCAAGTGTG 240
Db 2206 AAGGCACTTGGATCCCTGATGGGAGAGTGAATAATCCAGTGGCCATCAAGTGTG 2265
Qy 241 AAGGAAACACATCCCAAAACCAACAGAAATCTTGAAGCAATACGTATGCT 300
Db 2266 AAGGAAACACATCCCAAAACCAACAGAAATCTTGAAGCAATACGTATGCT 2325
Qy 301 GGTGTGGGCTCCCATATGTCTCCCGCTTCTGGGCAATCTGCAATCCAGGTCAG 360
Db 2326 GGTGTGGGCTCCCATATGTCTCCCGCTTCTGGGCAATCTGCAATCCAGGTCAG 2385
Qy 361 CTGGTGAACAGCTTATGCTTATGCTGCTCTTGAACATGTCGGGAAACCGCGGA 420
Db 2386 CTGGTGAACAGCTTATGCTTATGCTGCTCTTGAACATGTCGGGAAACCGCGGA 2445
Qy 421 CGCTGGGCTCCAGAGCTGCTGAATGTGATGACATTTGCCAAGGGATAGCTAC 480
Db 2446 CGCTGGGCTCCAGAGCTGCTGAATGTGATGACATTTGCCAAGGGATAGCTAC 2505
Qy 481 CTGAGAGATGTGGGCTTGTACAGAGACTTGGCCGCTCGGAACGTGCTGTAAGGT 540
Db 2506 CTGAGAGATGTGGGCTTGTACAGAGACTTGGCCGCTCGGAACGTGCTGTAAGGT 2565
Qy 541 CCAACCATGTCAAATTAAGACCTTGGGCTGGCTGGCTGCTGACATTTGACAGAC 600
Db 2566 CCAACCATGTCAAATTAAGACCTTGGGCTGGCTGGCTGCTGACATTTGACAGAC 2625
Qy 601 GAGTACCATGAGATGGGGGCAAGGTGCCATCAAGTGAATGGGCTGGAATTCATTC 660
Db 2626 GAGTACCATGAGATGGGGGCAAGGTGCCATCAAGTGAATGGGCTGGAATTCATTC 2685
Qy 661 CGCGGCGGTTCAACCCAGAGTATGTGAGATTATGATGTGATCTGTGTGGAGCTG 720

Db 2686 CGCCGGGGTTCAACCAACAGAGTGTGTGAGTTATGGTGTGACTGTGTGGAGCTG 2745
Qy 721 ATGACTTTTGGGGGCAAACTTTACGATGGATCCAGCCCGAGAGATCCCTGACTGTG 780
Db 2746 ATGACTTTTGGGGGCAAACTTTACGATGGATCCAGCCCGAGAGATCCCTGACTGTG 2805
Qy 781 GAAAAAGGGGAGCGGCTGCCCCCAGCCCATCTGACACATTTGATGTCTACATGATCATG 840
Db 2806 GAAAAAGGGGAGCGGCTGCCCCCAGCCCATCTGACACATTTGATGTCTACATGATCATG 2865
Qy 841 GTCAATATGTTGATGATTTGATCTGAAATGTGAGCAAGATTCGGGGAGTTGTGTGAA 900
Db 2866 GTCAATATGTTGATGATTTGATCTGAAATGTGAGCAAGATTCGGGGAGTTGTGTGAA 2925
Qy 901 TTCTCCCGCATGGCCAGGAGCCCCAGCGCTTTGTGTGATCCAGATGAGAGATTTGGGC 960
Db 2926 TTCTCCCGCATGGCCAGGAGCCCCAGCGCTTTGTGTGATCCAGATGAGAGATTTGGGC 2985
Qy 961 CCAGCCAGTCCCTTGGAGACGACTTTCTACCGCTCACTGCTGAGAGAGATGACATGGGG 1020
Db 2986 CCAGCCAGTCCCTTGGAGACGACTTTCTACCGCTCACTGCTGAGAGAGATGACATGGGG 3045
Qy 1021 GACTGTGTGATGTGTGAGAGTATCTGGTACCCAGAGGGCTTTCTGTGACAGACCT 1080
Db 3046 GACTGTGTGATGTGTGAGAGTATCTGGTACCCAGAGGGCTTTCTGTGACAGACCT 3105
Qy 1081 GCCCGGCGCGCTGGGGGCGATGGTCCACCAAGGAGCCAGCAGCTATCTTACAGAGATGGC 1140
Db 3106 GCCCGGCGCGCGCTGGGGGCGATGGTCCACCAAGGAGCCAGCAGCTATCTTACAGAGATGGC 3165
Qy 1141 GGTGGGAGCTGACACTGAGGGCTGAGGCTCTGAAAGAGAGGCCCCCAAGTCTTCCACTG 1200
Db 3166 GGTGGGAGCTGACACTGAGGGCTGAGGCTCTGAAAGAGAGGCCCCCAAGTCTTCCACTG 3225
Qy 1201 GCAACCTCCGAAGGGGCGTGGCTCCGATGTATTGTAGTGTGACTGGGAAATGGGGGCAAGC 1260
Db 3226 GCAACCTCCGAAGGGGCGTGGCTCCGATGTATTGTAGTGTGACTGGGAAATGGGGGCAAGC 3285
Qy 1261 AAGGGGCTGGAAGAGCTTCCACACATGACCCAGCCTCTTACAGCGGTATCAGTAGAGAC 1320
Db 3286 AAGGGGCTGGAAGAGCTTCCACACATGACCCAGCCTCTTACAGCGGTATCAGTAGAGAC 3345
Qy 1321 CCCACAGTACCCCTGCTGAGACTGATGGCTACGTTGCCCTCTGACTGTGACGCC 1380
Db 3346 CCCACAGTACCCCTGCTGAGACTGATGGCTACGTTGCCCTCTGACTGTGACGCC 3405
Qy 1381 CAGCTGAATATGTGAACCAAGCAGATGTTGGGCCCAAGCCCTTGGCCCCGAGAGGAC 1440
Db 3406 CAGCTGAATATGTGAACCAAGCAGATGTTGGGCCCAAGCCCTTGGCCCCGAGAGGAC 3465
Qy 1441 CCTCTGCTGCTGCGCAGCCTGCTGTGACACTCTGAAAAAGGCCCAAGACTCTCTCCCA 1500
Db 3466 CCTCTGCTGCTGCGCAGCCTGCTGTGACACTCTGAAAAAGGCCCAAGACTCTCTCCCA 3525
Qy 1501 GGGAGAGATGGGCTGTCAAGAGCGTTTGTGCTTTGGGGGTGCGTGGAGAACCCCGAG 1560
Db 3526 GGGAGAGATGGGCTGTCAAGAGCGTTTGTGCTTTGGGGGTGCGTGGAGAACCCCGAG 3585
Qy 1561 TACTTGAACCCCGAGAGAGCTGCCCCCTGAGGCCCACTCTCTCTGCTTCAAGCCCA 1620
Db 3586 TACTTGAACCCCGAGAGAGCTGCCCCCTGAGGCCCACTCTCTCTGCTTCAAGCCCA 3645
Qy 1621 GCCTTCAGACAACCTTATTAATGAGGACCAAGACCAAGAGCGGGGGGCTCCACCCAGC 1680
Db 3646 GCCTTCAGACAACCTTATTAATGAGGACCAAGACCAAGAGCGGGGGGCTCCACCCAGC 3705
Qy 1681 ACCTTCAAGGAGACCTTACGAGAGAAACCAAGATACCTGGGTCTTGAAGCTGCCAGTG 1740
Db 3706 ACCTTCAAGGAGACCTTACGAGAGAAACCAAGATACCTGGGTCTTGAAGCTGCCAGTG 3765

RESULT 16
US-09-811-115-2

Sequence 2, Application US/09811115
; Patient No. US20020035736A1
; GENERAL INFORMATION:
; APPLICANT: Erickson, Sharon
; APPLICANT: Erickson, Sharon
; APPLICANT: Schwall, Ralph
; APPLICANT: King, Kathleen
; TITLE OF INVENTION: HER-2 TRANSGENIC NON-HUMAN TUMOR MODEL
; FILE REFERENCE: GENENT.034A
; CURRENT APPLICATION NUMBER: US/09/811.115
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/189,844
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 3768
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-811-115-2

Query Match 99.9%; Score 1738.4; DB 9; Length 3768;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 AAGCGAGGCGACGAGAAAGATCCGAGATGACAGATGCGGAGACTGTGACAGAAACGAG 60
Db 2026 AAGCGAGGCGAGAGAAAGATCCGAGATGACAGATGCGGAGACTGTGACAGAAACGAG 2085
Qy 61 CTGGTGAAGCCGCTGACACCTTACGAGCGAGCGATGCCCAACGAGGCGAGATCGGATCCTG 120
Db 2086 CTGGTGAAGCCGCTGACACCTTACGAGCGAGCGATGCCCAACGAGGCGAGATCGGATCCTG 2145
Qy 121 AAAGAGCGAGCTGAGAGAGTGAAGTGTGATCTGAGCTGTGCGCTTTTGGACAGTCTAC 180
Db 2146 AAAGAGCGAGCTGAGAGAGTGAAGTGTGATCTGAGCTGTGCGCTTTTGGACAGTCTAC 2205
Qy 181 AAGGCACTGTGATCCCTGATGGGAGAGATGTGAATTCAGTGGCCATCAAAAGTTTG 240
Db 2206 AAGGCACTGTGATCCCTGATGGGAGAGATGTGAATTCAGTGGCCATCAAAAGTTTG 2265
Qy 241 AAGGAAACACATCCCAAGCAAGCAAGAAATCTTAAAGCAAGATAGTGTGATGAGT 300
Db 2266 AAGGAAACACATCCCAAGCAAGCAAGAAATCTTAAAGCAAGATAGTGTGATGAGT 2325
Qy 301 GGTGTGGGCTCCCATATGTCTCCGCTTGTGGGCAATCTGACATCCAGGTGAG 360
Db 2326 GGTGTGGGCTCCCATATGTCTCCGCTTGTGGGCAATCTGACATCCAGGTGAG 2385
Qy 361 CTGTGAACAGCTTATGCCCTATGAGTGTCTTAAACATGTCCGGAAAAACCGCGGA 420
Db 2386 CTGTGAACAGCTTATGCCCTATGAGTGTCTTAAACATGTCCGGAAAAACCGCGGA 2445
Qy 421 CGCTGGGCTTCCAGAGCTGTGTGAATCTGTGTATGCAAGATTTGCCAAGGGATAGAGTAC 480
Db 2446 CGCTGGGCTTCCAGAGCTGTGTGAATCTGTGTATGCAAGATTTGCCAAGGGATAGAGTAC 2505
Qy 481 CTGAGAGATGTCGGGCTGTGACAGGGAATTTGGCCGCTGGAAGCTGTGTAAGAGT 540
Db 2506 CTGAGAGATGTCGGGCTGTGACAGGGAATTTGGCCGCTGGAAGCTGTGTAAGAGT 2565
Qy 541 CCCAAGATGTCAAAATTAACAGATTCGGGCTGTGAGTGTGATTTGACAGAGCA 600
Db 2566 CCCAAGATGTCAAAATTAACAGATTCGGGCTGTGAGTGTGATTTGACAGAGCA 2625
Qy 601 GAGTACCATGAGATGGGGGCAAGGTGCTCATAGTGAATGGGCTGTGATTCATTTC 660
Db 2626 GAGTACCATGAGATGGGGGCAAGGTGCTCATAGTGAATGGGCTGTGATTCATTTC 2685
Qy 661 CGCCGGGGTTCAACCAACAGAGTGTGTGAGATTATGGTGTGACTGTGTGAGAGCTG 720
Db 2686 CGCCGGGGTTCAACCAACAGAGTGTGTGAGATTATGGTGTGACTGTGTGAGAGCTG 2745
Qy 721 ATGACTTTTGGGGGCAAACTTTACGATGGATCCAGCCCGAGAGATCCCTGACTGTG 780

|||||
Db 2746 ATGACTTTTGGGGCCAAACCTTACGATGGATCCCAAGGAGATCCCTGACCTGCTG 2805
Qy 781 GAAAGGGGGAGGGCTGCCCCCAAGCCCCCATCTGACCACTTATGTCATGATCATG 840
Db 2806 GAAAGGGGGAGGGCTGCCCCCAAGCCCCCATCTGACCACTTATGTCATGATCATG 2865
Qy 841 GTCAAAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900
Db 2866 GTCAAAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2925
Qy 901 TTTCTCCCGATGAGCCAGGAGCCCCCAAGCCCCCATCTGACCACTTATGTCATGAT 960
Db 2926 TTTCTCCCGATGAGCCAGGAGCCCCCAAGCCCCCATCTGACCACTTATGTCATGAT 2985
Qy 961 CCAGCCAGTCCCTTGGACAGACCTTCTACCGCTCACTGCTGGAGAGAGATGACATGGAG 1020
Db 2986 CCAGCCAGTCCCTTGGACAGACCTTCTACCGCTCACTGCTGGAGAGAGATGACATGGAG 3045
Qy 1021 GACCTGGTGGATGCTGAGAGATCTGATGATGATGATGATGATGATGATGATGATGAT 1080
Db 3046 GACCTGGTGGATGCTGAGAGATCTGATGATGATGATGATGATGATGATGATGATGAT 3105
Qy 1081 GCCCCGGGCGCTGGGGGAGATGATGATGATGATGATGATGATGATGATGATGATGAT 1140
Db 3106 GCCCCGGGCGCTGGGGGAGATGATGATGATGATGATGATGATGATGATGATGATGAT 3165
Qy 1141 GGTGGGAGCTGACATGAGGGGCTGAGAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAG 1200
Db 3166 GGTGGGAGCTGAGACATGAGGGGCTGAGAGCTGAGAGAGAGAGAGAGAGAGAGAGAG 3225
Qy 1201 GCAACCTCCGAGAGGGGCTGCTCGATGATGATGATGATGATGATGATGATGATGATGAT 1260
Db 3226 GCAACCTCCGAGAGGGGCTGCTCGATGATGATGATGATGATGATGATGATGATGATGAT 3285
Qy 1261 AAGGGGCTGAGAAAGCTTCCCAACATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1320
Db 3286 AAGGGGCTGAGAAAGCTTCCCAACATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 3345
Qy 1321 CCGACAGTACCCCGGCTGCTGAGAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1380
Db 3346 CCGACAGTACCCCGGCTGCTGAGAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 3405
Qy 1381 CAGCCTGATATGATGAG 1440
Db 3406 CAGCCTGATATGATGAG 3465
Qy 1441 CCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1500
Db 3466 CCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3525
Qy 1501 GGGAGAGATGGGGTCTGCAAG 1560
Db 3526 GGGAGAGATGGGGTCTGCAAG 3585
Qy 1561 TACTTGAACCCCAAGGAG 1620
Db 3586 TACTTGAACCCCAAGGAG 3645
Qy 1621 GCCTTGAACCCCAAGGAG 1680
Db 3646 GCCTTGAACCCCAAGGAG 3705
Qy 1681 ACCCTCAAG 1740
Db 3706 ACCCTCAAG 3765

RESULT 17
US-09-984-092-3
; Sequence 3, Application US/09984092
; Publication No. US20040037840A1
; GENERAL INFORMATION:

; APPLICANT: Pharmexa A/S
; TITLE OF INVENTION: NOVEL THERAPEUTIC VACCINE FORMULATIONS
; FILE REFERENCE: P1011PC00
; CURRENT APPLICATION NUMBER: US/09/984,092
; CURRENT FILING DATE: 2001-10-26
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 3
; LENGTH: 3768
; TYPE: DNA
; ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens
; NAME/KEY: CDS
; LOCATION: (1) .. (3768)
; US-09-984-092-3

Query Match 99.9%; Score 1738.4; DB 11; Length 3768;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 AAGCGACGAGAGAGAGAGATCCGAAATGACAGATGCGAGAGAGAGAGAGAGAGAGAGAGAG 60
Db 2026 AAGCGACGAGAGAGAGATCCGAAATGACAGATGCGAGAGAGAGAGAGAGAGAGAGAGAG 2085
Qy 61 CTGGTGGAGCCGCTGACACCTTACCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 120
Db 2086 CTGGTGGAGCCGCTGACACCTTACCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2145
Qy 121 AAGAGAGCGAG 180
Db 2146 AAGAGAGCGAG 2205
Qy 181 AAGGGCATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 240
Db 2206 AAGGGCATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2265
Qy 241 AAGGAG 300
Db 2266 AAGGAG 2325
Qy 301 GGTGGGGCTCCCATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 360
Db 2326 GGTGGGGCTCCCATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2385
Qy 361 CTGGTGGAG 420
Db 2386 CTGGTGGAG 2445
Qy 421 CGCCTGGGCTCCAG 480
Db 2446 CGCCTGGGCTCCAG 2505
Qy 481 CTGAG 540
Db 2506 CTGAG 2565
Qy 541 CCGAAG 600
Db 2566 CCGAAG 2625
Qy 601 GAGTACCATGAG 660
Db 2626 GAGTACCATGAG 2685
Qy 661 CGCGGGGAG 720
Db 2686 CGCGGGGAG 2745
Qy 721 ATGACTTTTGGGGGCAAACTTACGATGAGATCCCAAGAGAGAGAGAGAGAGAGAGAGAGAG 780
Db 2746 ATGACTTTTGGGGGCAAACTTACGATGAGATCCCAAGAGAGAGAGAGAGAGAGAGAGAGAG 2805
Qy 781 GAAAGGGGGAGGGGCTGCCCAAGCCCCCATCTGACCACTGATGATGATGATGATGATGATGATGAT 840

| | | | |
|----|------|---|------|
| Dp | 2806 | GAAAAAGGGGAGCGGCTGGCCCCAGCCCCCATCTGCACCATTTGATGTCATGATCATG | 2865 |
| Qy | 841 | GTCAAAATTGGATGATGATTGACTCTGTAATGTCCGCCAAGATTCCGGGAGTTGGTCTGAA | 900 |
| Dp | 2866 | GTCAAAATTGGATGATGATTGACTCTGTAATGTCCGCCAAGATTCCGGGAGTTGGTCTGAA | 2925 |
| Qy | 901 | TTCTCCCGCATGGCCAGGGACCCGCCGAGCTTTGTGGTCAATCAGATGAGGACTTGGGC | 960 |
| Dp | 2926 | TTCTCCCGCATGGCCAGGGACCCGCCGAGCTTTGTGGTCAATCAGATGAGGACTTGGGC | 2985 |
| Qy | 961 | CCAGCAGTCCCTTGGACAGCACTTCTACCGCTCACTGTGAGGACGATGACATGGGG | 1020 |
| Dp | 2986 | CCAGCAGTCCCTTGGACAGCACTTCTACCGCTCACTGTGAGGACGATGACATGGGG | 3045 |
| Qy | 1021 | GACCTGGTGGATGCTGAGGAGTATCTGGTATACCCACAGAGGCTTCTTCTGTCCAGACCTT | 1080 |
| Dp | 3046 | GACCTGGTGGATGCTGAGGAGTATCTGGTATACCCACAGAGGCTTCTTCTGTCCAGACCTT | 3105 |
| Qy | 1081 | GCCCCGGGCGCTGGGGGACATGGTCCACACAGGCAACGCACTCACTACAGAGTGGC | 1140 |
| Dp | 3106 | GCCCCGGGCGCTGGGGGACATGGTCCACACAGGCAACGCACTCACTACAGAGTGGC | 3165 |
| Qy | 1141 | GGTGGGGACCTGACACTAGAGGCTGAGACCTCTGAAGAGAGGCCCCAGTGTCCAATG | 1200 |
| Dp | 3166 | GGTGGGGACCTGACACTAGAGGCTGAGACCTCTGAAGAGAGGCCCCAGTGTCCAATG | 3225 |
| Qy | 1201 | GCACCTCTCCGAAGGGGGCTGGCTCCGATGATTTGATGGTGAACCTGGGAAATGGGGGACGCC | 1260 |
| Dp | 3226 | GCACCTCTCCGAAGGGGGCTGGCTCCGATGATTTGATGGTGAACCTGGGAAATGGGGGACGCC | 3285 |
| Qy | 1261 | AAGGGGCTGCAAAAGCCTCCCAACACATGACCCCAAGCCTCTACAGGGGTTCAGTGAAGAC | 1320 |
| Dp | 3286 | AAGGGGCTGCAAAAGCCTCCCAACACATGACCCCAAGCCTCTACAGGGGTTCAGTGAAGAC | 3345 |
| Qy | 1321 | CCCACAGTACCCCTGCGCCTCTGAGACTGATGGTACAGTTGCCCCCTGACCTGCAAGCCCC | 1380 |
| Dp | 3346 | CCCACAGTACCCCTGCGCCTCTGAGACTGATGGTACAGTTGCCCCCTGACCTGCAAGCCCC | 3405 |
| Qy | 1381 | CAGCCTGAATATGTGAACAGGCAGATGATTCGGGCCCAAGCCCCCTTGCCGCCGAGAGGGC | 1440 |
| Dp | 3406 | CAGCCTGAATATGTGAACAGGCAGATGATTCGGGCCCAAGCCCCCTTGCCGCCGAGAGGGC | 3465 |
| Qy | 1441 | CCTCTGACCTGCTGCCGACCTGCTGGTGCACACTGTGAAAGGCCCAAGACTCTCTCCCA | 1500 |
| Dp | 3466 | CCTCTGACCTGCTGCCGACCTGCTGGTGCACACTGTGAAAGGCCCAAGACTCTCTCCCA | 3525 |
| Qy | 1501 | GGGAAGATGGGGGTGTCAAAAGCGTTTTTGCTTTGGGGGTGCGCTGGAGAACCCCGAG | 1560 |
| Dp | 3526 | GGGAAGATGGGGGTGTCAAAAGCGTTTTTGCTTTGGGGGTGCGCTGGAGAACCCCGAG | 3585 |
| Qy | 1561 | TACTTGAACACCCACAGAGGAGACTGCGCCCTCAGGCCCAACCGTCTCTGCGCTTCAAGCCA | 1620 |
| Dp | 3586 | TACTTGAACACCCACAGAGGAGACTGCGCCCTCAGGCCCAACCGTCTCTGCGCTTCAAGCCA | 3645 |
| Qy | 1621 | GCGTTTGCACAACTTCTATTACTGGGACCAAGAACCCACAGAGCGGGGGGCTCCACCCAGC | 1680 |
| Dp | 3646 | GCGTTTGCACAACTTCTATTACTGGGACCAAGAACCCACAGAGCGGGGGGCTCCACCCAGC | 3705 |
| Qy | 1681 | ACCTTCAAAAGGACCTACCGGACAGAAACCCAGAGTACTGGGTCTTGAACGTGGCAATG | 1740 |
| Dp | 3706 | ACCTTCAAAAGGACCTACCGGACAGAAACCCAGAGTACTGGGTCTTGAACGTGGCAATG | 3765 |

RESULT 18
 US-10-280-576-3
 : Sequence 3, Application US/10280576
 : Publication No. US20040044405A1
 : GENERAL INFORMATION:
 : APPLICANT: WOLFE, Matthew R.
 : TITLE OF INVENTION: VASCULAR STENT OR GRAFT COATED OR IMPREGNATED WITH PROTEIN
 : FILE REFERENCE: 09620,189
 : CURRENT APPLICATION NUMBER: US/10/280,576

```

; CURRENT FILING DATE: 2002-10-22
; PRIOR APPLICATION NUMBER: 60/343,732
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 3
; LENGTH: 3768
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-280-576--3

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| | | | | |
|-----------------------|--------------|---|---------------|--------------|
| Query Match | 99.9%; | Score 1738.4; | DB 16; | Length 3768; |
| Best Local Similarity | 99.9%; | Pred. No. 0; | | |
| Matches 1739; | Conservative | 0; | Mismatches 1; | Indels 0; |
| | | | | Gaps 0; |
| QY | 1 | AAGCGACGGACGACGAAGATCCGGAGTACACGATCCGAGACTGCTGCAGGAACGGAG | 60 | |
| Db | 2026 | AAGCGACGGACGACGAAGATCCGGAGTACACGATCCGAGACTGCTGCAGGAACGGAG | 2085 | |
| QY | 61 | CTGGTGAAGCCGCTGACCACTTAAGGGAGGAGATGCGCCAACAGGGGGCAGATGGCGGATCTTG | 120 | |
| Db | 2086 | CTGGTGAAGCCGCTGACCACTTAAGGGAGGAGATGCGCCAACAGGGGGCAGATGGCGGATCTTG | 2145 | |
| QY | 121 | AAAGAGACGGAGCTGAGGAAGGTGAAAGTGCCTTGATCTGGCGCTTTTGGCACAGTCTAC | 180 | |
| Db | 2146 | AAAGAGACGGAGCTGAGGAAGGTGAAAGTGCCTTGATCTGGCGCTTTTGGCACAGTCTAC | 2205 | |
| QY | 181 | AAGGGCATCTGGAATCCCTGATGGGGAGAAATGTGAAAAATTCAGTAGGCCATCAAAAGTGTG | 240 | |
| Db | 2206 | AAGGGCATCTGGAATCCCTGATGGGGAGAAAGTGAATAATTCAGTAGGCCATCAAAAGTGTG | 2265 | |
| QY | 241 | AGGGAAAAACAATCCCCCAAGGCCAACAAAGAAATCTTGAACGAAAGCATAGTATGGCT | 300 | |
| Db | 2266 | AGGGAAAAACAATCCCCCAAGGCCAACAAAGAAATCTTGAACGAAAGCATAGTATGGCT | 2325 | |
| QY | 301 | GGTGTGGGCTTCCCATATATCTCCCGCTTTCTGGGACATCTGCTGATCACAAGTGCAG | 360 | |
| Db | 2326 | GGTGTGGGCTTCCCATATATCTCCCGCTTTCTGGGACATCTGCTGATCACAAGTGCAG | 2385 | |
| QY | 361 | CTGTGTACACAGCTTATATGCCCTATATGGTGGCTCTTGAACCATATGTCCGGAAAAACCGCGGA | 420 | |
| Db | 2386 | CTGTGTACACAGCTTATATGCCCTATATGGTGGCTCTTGAACCATATGTCCGGAAAAACCGCGGA | 2445 | |
| QY | 421 | CGCTGTGGGCTTCCAGAGACTGTGGAATGTGATGATGAGATTTGGCAAGGGAGTAGAGTAC | 480 | |
| Db | 2446 | CGCTGTGGGCTTCCAGAGACTGTGGAATGTGATGATGAGATTTGGCAAGGGAGTAGAGTAC | 2505 | |
| QY | 481 | CTGAGGATGTGCGGCTCGTACACAGGAGCTTGGCGGCTCGGAACGTGCTGTCAAGAGT | 540 | |
| Db | 2506 | CTGAGGATGTGCGGCTCGTACACAGGAGCTTGGCGGCTCGGAACGTGCTGTCAAGAGT | 2565 | |
| QY | 541 | CCCAACCATATCAAAAATTACAGACTTGGGGCTGGCTGGCTGACCATTTGACAGAGACA | 600 | |
| Db | 2566 | CCCAACCATATCAAAAATTACAGACTTGGGGCTGGCTGGCTGACCATTTGACAGAGACA | 2625 | |
| QY | 601 | GAGTACCATCAGATGGGGGGCAAGTGGCCCATGAAGTGAATGGCGCTGAGAGTCCATTCTC | 660 | |
| Db | 2626 | GAGTACCATCAGATGGGGGGCAAGTGGCCCATGAAGTGAATGGCGCTGAGAGTCCATTCTC | 2685 | |
| QY | 661 | CGCGCGGCTTCAACCCACAGAGTATGTGAGATTATGTGTGACTGTGTGGAGCTG | 720 | |
| Db | 2686 | CGCGCGGCTTCAACCCACAGAGTATGTGAGATTATGTGTGACTGTGTGGAGCTG | 2745 | |
| QY | 721 | ATGACTTTTGGGGGCAAACTTTACGATGGGATCCCAAGCCGGGAGATCCCTGACCTGCTG | 780 | |
| Db | 2746 | ATGACTTTTGGGGGCAAACTTTACGATGGGATCCCAAGCCGGGAGATCCCTGACCTGCTG | 2805 | |
| QY | 781 | GAAGAGGGGAGGGGCTGCCCAAGCCCCCATCTGACCATATTGATGTCTACATGATCATG | 840 | |
| Db | 2806 | GAAGAGGGGAGGGGCTGCCCAAGCCCCCATCTGACCATATTGATGTCTACATGATCATG | 2865 | |
| QY | 841 | GTCAAATGTTGATGATTTGACTCTGAATGTGGGCAAGATTCGGGAGTTGGTGTCTGAA | 900 | |

Db 2866 GTCAATGTTGATGATGTAAGTCTGTAATGTGCGCAAGATTCGGGAGTTGATGTCGAA 2925
Qy 901 TTCTCCCGCATGGCCAGGAGACCCCGAGCGCTTTGTGTGTCATCCAGATAGAGACTTTGGGC 960
Db 2926 TTCTCCCGCATGGCCAGGAGACCCCGAGCGCTTTGTGTGTCATCCAGATAGAGACTTTGGGC 2985
Qy 961 CCAGCGAGTCCCTTGGACAGACCTTTCTACCGCTCACTGTGTGAGAGACATGATGAGG 1020
Db 2986 CCAGCGAGTCCCTTGGACAGACCTTTCTACCGCTCACTGTGTGAGAGACATGATGAGG 3045
Qy 1021 GACCTGTGTGAGATGCTGAGAGATCTGATACCCCGAGAGGGCTTTCTGTGTCAAGACCT 1080
Db 3046 GACCTGTGTGAGATGCTGAGAGATCTGATACCCCGAGAGGGCTTTCTGTGTCAAGACCT 3105
Qy 1081 GCGCCGAGGCGCTGAGGAGCATGTGTCCACACAGAGCCGAGCTCATCTACAGAGTGGC 1140
Db 3106 GCGCCGAGGCGCTGAGGAGCATGTGTCCACACAGAGCCGAGCTCATCTACAGAGTGGC 3165
Qy 1141 GGTGGGAGACTGACACTAGAGGCTGAGAGCCCTTGTAAAGAGAGGCCCGAGGTCTCACTG 1200
Db 3166 GGTGGGAGACTGACACTAGAGGCTGAGAGCCCTTGTAAAGAGAGGCCCGAGGTCTCACTG 3225
Qy 1201 GCACCTCCGAGAGGGGCTGAGTCCGATGTATGTGATGTGACCTGTGGAAATGGGGAGAGCC 1260
Db 3226 GCACCTCCGAGAGGGGCTGAGTCCGATGTATGTGATGTGACCTGTGGAAATGGGGAGAGCC 3285
Qy 1261 AAGGGGCTGCAAAAGCTCCCAACACATGACCCAGCCCTCTACAGCGGTACAGTGAAGAC 1320
Db 3286 AAGGGGCTGCAAAAGCTCCCAACACATGACCCAGCCCTCTACAGCGGTACAGTGAAGAC 3345
Qy 1321 CCCACAGTACCCCTGCTCTGTAGACTGATGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1380
Db 3346 CCCACAGTACCCCTGCTCTGTAGACTGATGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3405
Qy 1381 CAGCCTGATATGTGTAACACAGCAGATGTTCGCGCCCGCAGCCCTTCGCGCCCGCAGAGGGC 1440
Db 3406 CAGCCTGATATGTGTAACACAGCAGATGTTCGCGCCCGCAGCCCTTCGCGCCCGCAGAGGGC 3465
Qy 1441 CCTGTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1500
Db 3466 CCTGTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3525
Qy 1501 GGGAGAAATGGGGTGTCAAGAAGCTTTTGGCGGGTGCCTGTGAGAAACCCCGAG 1560
Db 3526 GGGAGAAATGGGGTGTCAAGAAGCTTTTGGCGGGTGCCTGTGAGAAACCCCGAG 3585
Qy 1561 TACTTGACACCCCGAGAGAGAGTGCCTGCAAGCCCGCAGCCCTTCCTGCTGCAAGCCCA 1620
Db 3586 TACTTGACACCCCGAGAGAGAGTGCCTGCAAGCCCGCAGCCCTTCCTGCTGCAAGCCCA 3645
Qy 1621 GCCTTGACAACTCTATTACTGTGGACACAGACCCACAGAGCGGGGGCTCCACCCAGC 1680
Db 3646 GCCTTGACAACTCTATTACTGTGGACACAGACCCACAGAGCGGGGGCTCCACCCAGC 3705
Qy 1681 ACCTTCAAAAGGACACTTACGCGAGAGAAACCAAGATCCTGGGTCTGAGCGTGCAGTG 1740
Db 3706 ACCTTCAAAAGGACACTTACGCGAGAGAAACCAAGATCCTGGGTCTGAGCGTGCAGTG 3765

RESULT 19
US-10-441-779C-3
; Sequence 3, Application US/10441779C
; Publication No. US20040141958A1
; GENERAL INFORMATION:
; APPLICANT: Steinaa, Lucilla
; APPLICANT: Mouritsen, Soren
; APPLICANT: Gautam, Anand
; APPLICANT: Haaning, Jesper
; APPLICANT: Dalum, Iben
; APPLICANT: Birk, Peter
; APPLICANT: Leach, Dana
; APPLICANT: Nielsen, Klaus
; APPLICANT: Karlsson, Gunilla

; TITLE OF INVENTION: NOVEL METHODS FOR THERAPEUTIC VACCINATION
; FILE REFERENCE: 4614-0116P
; CURRENT APPLICATION NUMBER: US/10/441,779C
; CURRENT FILING DATE: 2003-05-19
; PRIOR APPLICATION NUMBER: 09/413,186
; PRIOR FILING DATE: 1998-10-05
; PRIOR APPLICATION NUMBER: 60/105,011
; PRIOR FILING DATE: 1998-10-20
; PRIOR APPLICATION NUMBER: PA 1998 01261
; PRIOR FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 3768
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(3768)
; OTHER INFORMATION:
; US-10-441-779C-3
Query Match 99.9%; Score 1738.4; DB 17; Length 3768;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 AAGCGACGCGACAGAAAGATCCGAAAGTACAGATGCGGAGACTGTGCGAGAAACGAG 60
Db 2026 AAGCGACGCGACAGAAAGATCCGAAAGTACAGATGCGGAGACTGTGCGAGAAACGAG 2085
Qy 61 CTGTGTGAGACCGCTGACACTTACGCGAGCGATGCCCAACAGCGCGCATGTGGATCTTG 120
Db 2086 CTGTGTGAGACCGCTGACACTTACGCGAGCGATGCCCAACAGCGCGCATGTGGATCTTG 2145
Qy 121 AAAGAGACGAGACTGAGAGAGGTGAAGGTCTGTGATCTGGGCTTTTGGCAAGCTAC 180
Db 2146 AAAGAGACGAGACTGAGAGAGGTGAAGGTCTGTGATCTGGGCTTTTGGCAAGCTAC 2205
Qy 181 AAGGCAATCTGATCCCTGATGAGGAGATGTGAAATTCAGTGGCCATCAAGTGTG 240
Db 2206 AAGGCAATCTGATCCCTGATGAGGAGATGTGAAATTCAGTGGCCATCAAGTGTG 2265
Qy 241 AAGGAAACACATCCCGCAAGACCAAAAGAAATTTAGAGAGCATATCTGATGGCT 300
Db 2266 AAGGAAACACATCCCGCAAGACCAAAAGAAATTTAGAGAGCATATCTGATGGCT 2325
Qy 301 GGTGTGGGCTGCCCATATGTCTCCCGCTTCGGGATGTGCTGACATCCACGCTGAG 360
Db 2326 GGTGTGGGCTGCCCATATGTCTCCCGCTTCGGGATGTGCTGACATCCACGCTGAG 2385
Qy 361 CTGTGTGACACAGCTTATGCTCTATGAGCTGCTCTTATGACATGTCCGGGAAACCGCGGA 420
Db 2386 CTGTGTGACACAGCTTATGCTCTATGAGCTGCTCTTATGACATGTCCGGGAAACCGCGGA 2445
Qy 421 GCCTTGGGCTCCAGAGACTGTCTGAACTGTGTATGACATTTGCCAAGGAGTGAAGTAC 480
Db 2446 GCCTTGGGCTCCAGAGACTGTCTGAACTGTGTATGACATTTGCCAAGGAGTGAAGTAC 2505
Qy 481 CTGTGTGAGATGCGGTGTGTACACAGGAGCTTGGCGCTCGGAAAGTGTGCTGAGAGT 540
Db 2506 CTGTGTGAGATGCGGTGTGTACACAGGAGCTTGGCGCTCGGAAAGTGTGCTGAGAGT 2565
Qy 541 CCCAACATGTCAAAATTTACAGACTTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
Db 2566 CCCAACATGTCAAAATTTACAGACTTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2625
Qy 601 GAGTACCATGACAGATGGGGCAAGGTGCCCATCAAGTGGATGGCGCTGAGATCTCATTTCTC 660
Db 2626 GAGTACCATGACAGATGGGGCAAGGTGCCCATCAAGTGGATGGCGCTGAGATCTCATTTCTC 2685
Qy 661 CGCGCGCGGTTCACCAACAGAGTGAATGTGTGAGTATGTGTGACTGTGTGGAGCTG 720
Db 2686 CGCGCGCGGTTCACCAACAGAGTGAATGTGTGAGTATGTGTGACTGTGTGGAGCTG 2745

QY 721 ATGACTTTTGGGGCCAAACCTTACGATGGATCCAGCCCGGAGATCCCTGACCTGCTG 780
Db 2746 ATGACTTTTGGGGCCAAACCTTACGATGGATCCAGCCCGGAGATCCCTGACCTGCTG 2805
QY 781 GAAAGGGGGAGCGGCTGCCCCAGCCCCCATCTGCAACATTAATGCTTACATCATCATG 840
Db 2806 GAAAGGGGGAGCGGCTGCCCCAGCCCCCATCTGCAACATTAATGCTTACATCATCATG 2865
QY 841 GTCAAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900
Db 2866 GTCAAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2925
QY 901 TTCTCCCGATGCGCAG 960
Db 2926 TTCTCCCGATGCGCAG 2985
QY 961 CCAAGCCAGTCCCTTGGAGACAGACCTTACCGCTCACTGCTGAGAGAGATGACATGAGG 1020
Db 2986 CCAAGCCAGTCCCTTGGAGACAGACCTTACCGCTCACTGCTGAGAGAGATGACATGAGG 3045
QY 1021 GACCTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1080
Db 3046 GACCTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3105
QY 1081 GCGCCGGGCGCTGGGGGCGATGATGATGATGATGATGATGATGATGATGATGATGATG 1140
Db 3106 GCGCCGGGCGCTGGGGGCGATGATGATGATGATGATGATGATGATGATGATGATGATG 3165
QY 1141 GGTGGGGAGCTGACATGAG 1200
Db 3166 GGTGGGGAGCTGACATGAG 3225
QY 1201 GCAACCTCCGAG 1260
Db 3226 GCAACCTCCGAG 3285
QY 1261 AAGGGGCTGCAAAAGCTGCCCCACATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1320
Db 3286 AAGGGGCTGCAAAAGCTGCCCCACATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 3345
QY 1321 CCGCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1380
Db 3346 CCGCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3405
QY 1381 CAGCTGGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1440
Db 3406 CAGCTGGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3465
QY 1441 CCTCTGCTGCTGCGGAG 1500
Db 3466 CCTCTGCTGCTGCGGAG 3525
QY 1501 GGGAGAGATGGGCTGCTCAAAAGAGTTTGGCTTTGGGGGGTGGCTGAGAGAGAGAGAG 1560
Db 3526 GGGAGAGATGGGCTGCTCAAAAGAGTTTGGCTTTGGGGGGTGGCTGAGAGAGAGAGAG 3585
QY 1561 TACTTGAACACCCAG 1620
Db 3586 TACTTGAACACCCAG 3645
QY 1621 GCGCTTGAACAACCTTATTAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1680
Db 3646 GCGCTTGAACAACCTTATTAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 3705
QY 1681 ACCTTTCAAG 1740
Db 3706 ACCTTTCAAG 3765

RESULT 20
US-10-384-339C-52
; Sequence 52, Application US/10384339C

Publication No. US20040175703A1
; GENERAL INFORMATION:
; APPLICANT: Kreutzler, Roland
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR INHIBITING EXPRESSION OF A TARGET GE
; FILE REFERENCE: 20200/2002
; CURRENT APPLICATION NUMBER: US/10/384,339C
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/EP02/00152
; PRIOR FILING DATE: 2002-01-09
; PRIOR APPLICATION NUMBER: DE 10100586.5
; PRIOR FILING DATE: 2001-01-09
; PRIOR APPLICATION NUMBER: DE 10155280.7
; PRIOR FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: DE 10158411.3
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: DE 10160151.4
; PRIOR FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 52
; LENGTH: 3768
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; TITLE: ERBB2
; PATENT DOCUMENT NUMBER: NM04448
US-10-384-339C-52

Query Match 99.9%; Score 1738.4; DB 17; Length 3768;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAGCGAGCGGAGAGAGATCCGGAATGACACGATGCGGAGAGAGAGAGAGAGAGAGAGAG 60
Db 2026 AAGCGAGCGGAGAGAGATCCGGAATGACACGATGCGGAGAGAGAGAGAGAGAGAGAGAG 2085
QY 61 CTGGTGAGCGCGTGACACCTAGCGAGAGATGCCCAACGAGCGAGATGCGGATCTCTG 120
Db 2086 CTGGTGAGCGCGTGACACCTAGCGAGAGATGCCCAACGAGCGAGATGCGGATCTCTG 2145
QY 121 AAGAGACGAGAGCTGAG 180
Db 2146 AAGAGACGAGAGCTGAG 2205
QY 181 AAGGGCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 240
Db 2206 AAGGGCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2465
QY 241 AAGGAAACACATCCCAAG 300
Db 2266 AAGGAAACACATCCCAAG 2325
QY 301 GGTGTGGGCTCCCAATATGCTTCCCGCTTCTGGGAGATCTGCTGACATCCAGGTGAG 360
Db 2326 GGTGTGGGCTCCCAATATGCTTCCCGCTTCTGGGAGATCTGCTGACATCCAGGTGAG 2385
QY 361 CTGGTGACAGAGCTTAAG 420
Db 2386 CTGGTGACAGAGCTTAAG 2445
QY 421 CGCCTGGGCTCCAG 480
Db 2446 CGCCTGGGCTCCAG 2505
QY 481 CTGAGAGATGTCGGGCTGTAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 540
Db 2506 CTGAGAGATGTCGGGCTGTAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2565
QY 541 CCGAACCAGATGCAAAATTAAG 600
Db 2566 CCGAACCAGATGCAAAATTAAG 2625
QY 601 GAGTACCATGACAGATGGGGGCAAGGTGCCATCAAGTGAATGGCGCTGAGATCCATTCTC 660

| | | | |
|----|------|---|------|
| Db | 2626 | GAGTACCAATGAGATGGGGGCAAGGTGCCATCAAGTGAATGGGGCTGGAGTCCATTCTC | 2685 |
| QY | 661 | CGCCGGCGGTTACCCACAGAGTATGTGTGAGTTATGGTGTGACTGTGTGGAGCTG | 720 |
| Db | 2686 | CGCCGGCGGTTACCCACAGAGTATGTGTGAGTTATGGTGTGACTGTGTGGAGCTG | 2745 |
| QY | 721 | ATGACTTTTGGGGCCAAACTTTAAGATGGGATTCGAGCCGGGAGATTCCTGACTCTGT | 780 |
| Db | 2746 | ATGACTTTTGGGGCCAAACTTTAAGATGGGATTCGAGCCGGGAGATTCCTGACTCTGT | 2805 |
| QY | 781 | GAAGAGGGGAGCGGCTGCCAGCCCCCATCTGACCATTTGATGTCTACATGATCATG | 840 |
| Db | 2806 | GAAGAGGGGAGCGGCTGCCAGCCCCCATCTGACCATTTGATGTCTACATGATCATG | 2865 |
| QY | 841 | GTCAAATGTTGATGATTTGACTCTGAATGTGGCCAAATTCGGAGATTGGTGTGAA | 900 |
| Db | 2866 | GTCAAATGTTGATGATTTGACTCTGAATGTGGCCAAATTCGGAGATTGGTGTGAA | 2925 |
| QY | 901 | TTCTTCCCCCATGGCCAGGACCCCCAGGCGTTTGTGTGATTCACGAATGAGAGCTTGGCC | 960 |
| Db | 2926 | TTCTTCCCCCATGGCCAGGACCCCCAGGCGTTTGTGTGATTCACGAATGAGAGCTTGGCC | 2985 |
| QY | 961 | CCAGCAGATGCTCTTGGACAGCACTTTCACGGCTCACTGCTGGAGAGACGATGACATGGG | 1020 |
| Db | 2986 | CCAGCAGATGCTCTTGGACAGCACTTTCACGGCTCACTGCTGGAGAGACGATGACATGGG | 3045 |
| QY | 1021 | GACCTGTGATGTGCTGAGAGATATCTGTGATCCCGAGAGGACTTCTTGTCCAGACCTT | 1080 |
| Db | 3046 | GACCTGTGATGTGCTGAGAGATATCTGTGATCCCGAGAGGACTTCTTGTCCAGACCTT | 3105 |
| QY | 1081 | GCCCCGGGCGCTGGGGGATGATGATCCACAGGCACTGGAGCTATCTTACAGAGTGGC | 1140 |
| Db | 3106 | GCCCCGGGCGCTGGGGGATGATGATCCACAGGCACTGGAGCTATCTTACAGAGTGGC | 3165 |
| QY | 1141 | GGTGGGGACCTGACACTAGAGGCTGGAGCCCTGAAGAGAGGGCCCCAGGCTTCCACTG | 1200 |
| Db | 3166 | GGTGGGGACCTGACACTAGAGGCTGGAGCCCTGAAGAGAGGGCCCCAGGCTTCCACTG | 3225 |
| QY | 1201 | GCACCTTCCGAAGGGGCTGGCTCCGATTTATTTGATGTGTGACTTGGGAATGGGGGACGC | 1260 |
| Db | 3226 | GCACCTTCCGAAGGGGCTGGCTCCGATTTATTTGATGTGTGACTTGGGAATGGGGGACGC | 3285 |
| QY | 1261 | AAGGGGCTGCAAAGCTCTCCACACATGACCCGACCTCTTACAGCGGTAAGTGAAGAC | 1320 |
| Db | 3286 | AAGGGGCTGCAAAGCTCTCCACACATGACCCGACCTCTTACAGCGGTAAGTGAAGAC | 3345 |
| QY | 1321 | CCCAACAGTACCCCTGGCCCTCTGAGACTGATGGCTATGCTTGGCCCCCTTGAACCTTGAACCCC | 1380 |
| Db | 3346 | CCCAACAGTACCCCTGGCCCTCTGAGACTGATGGCTATGCTTGGCCCCCTTGAACCTTGAACCCC | 3405 |
| QY | 1381 | CAGCCTGATATGTGTAAACAGACAGATGTTGGGCCCCGAGCCCTTCCGCCCCGAGAGAGGC | 1440 |
| Db | 3406 | CAGCCTGATATGTGTAAACAGACAGATGTTGGGCCCCGAGCCCTTCCGCCCCGAGAGAGGC | 3465 |
| QY | 1441 | CCTGTGCTGCTGCCGACTGTGTGGTGCACCTTGAAAGGCCCAAGACTTCTTCCCA | 1500 |
| Db | 3466 | CCTGTGCTGCTGCCGACTGTGTGGTGCACCTTGAAAGGCCCAAGACTTCTTCCCA | 3525 |
| QY | 1501 | GGGAAGATGGGGTGTCAAAGACGTTTTTGTCTTTGGGGGTGCCGTGGAAGAACCCCGAG | 1560 |
| Db | 3526 | GGGAAGATGGGGTGTCAAAGACGTTTTTGTCTTTGGGGGTGCCGTGGAAGAACCCCGAG | 3585 |
| QY | 1561 | TACTTGAACACCCAGAGGAGAGCTGCCCTCAGACCCCACTCTCTGCTTCAAGCCCA | 1620 |
| Db | 3586 | TACTTGAACACCCAGAGGAGAGCTGCCCTCAGACCCCACTCTCTGCTTCAAGCCCA | 3645 |
| QY | 1621 | GCTTTCGAACAACCTTATTACTGGAGCCAGGACCCACCAAGACGGGGGCTTCCACCAGC | 1680 |
| Db | 3646 | GCTTTCGAACAACCTTATTACTGGAGCCAGGACCCACCAAGACGGGGGCTTCCACCAGC | 3705 |
| QY | 1681 | ACCTTCAAAAGGACACTTACGGCAGAGAACCAAGATGCTTGGGTCTGGAAGTGCAGTGC | 1740 |

| | | | |
|----|------|---|---|
| DB | 3706 | ACCTTCAAAAGGGACAACCTTAGCGGACAGAGAACCAGAGTAACCTGGGCTTGAGCAGTCGCCAGTG | 3765 |
| | | RESULT 21 | |
| | | US-09-877-177-11 | |
| | | ; Sequence 11, Application US/09877177 | |
| | | ; Publication No. US20020192652A1 | |
| | | GENERAL INFORMATION: | |
| | | APPLICANT: Peter V. Danenberg et al. | |
| | | TITLE OF INVENTION: Method of determining Epidermal Growth | |
| | | TITLE OF INVENTION: Factor Receptor and HER2-New Gene Expression | |
| | | FILE REFERENCE: 11220/120 | |
| | | CURRENT APPLICATION NUMBER: US/09/877,177 | |
| | | CURRENT FILING DATE: 2001-06-11 | |
| | | NUMBER OF SEQ ID NOS: 11 | |
| | | ; SOFTWARE: FastSeq for Windows Version 4.0 | |
| | | SEQ ID NO 11 | |
| | | ; LENGTH: 4530 | |
| | | TYPE: DNA | |
| | | ; ORGANISM: Homo sapiens | |
| | | US-09-877-177-11 | |
| | | Query Match | 99.9%; Score 1738.4; DB 9; Length 4530; |
| | | Best Local Similarity | 99.9%; Pred. No. 0; |
| | | Matches 1739; Conservative | 0; Mismatches 1; Indels 0; Gaps 0; |
| QY | 1 | AAGCGACGGCAGCAGAGATCCGGAGGTACACGATGCGGAGACTGCTGCAGAAAACGGAG | 60 |
| DB | 2176 | AAGCGACGGCAGCAGAGATCCGGAGGTACACGATGCGGAGACTGCTGCAGAAAACGGAG | 2235 |
| QY | 61 | CTGGTGAAGCCGCTGCACACCTTAGGGGACGATGCGCAACGAGGGGCAATGCGATCCTG | 120 |
| DB | 2236 | CTGGTGAAGCCGCTGCACACCTTAGGGGACGATGCGCAACGAGGGGCAATGCGATCCTG | 2295 |
| QY | 121 | AAAGAGACGAGCTGAGGAGAGGTGAAGGTGCTTGGATCTGGCGCTTTTGGCACAGTCTAC | 180 |
| DB | 2236 | AAAGAGACGAGCTGAGGAGAGGTGAAGGTGCTTGGATCTGGCGCTTTTGGCACAGTCTAC | 2355 |
| QY | 181 | AAGGCATCTTGGATCCCTGATGGGAGAGATGTAAAAATTCCAAGTGCCCATCAAAGTTTG | 240 |
| DB | 2386 | AAGGCATCTTGGATCCCTGATGGGAGAGATGTAAAAATTCCAAGTGCCCATCAAAGTTTG | 2415 |
| QY | 241 | AGGGAACACATCCCCCAAAAGCCAACAAABAATCTTAGCGAAGCATAGTANTGCT | 300 |
| DB | 2416 | AGGGAACACATCCCCCAAAAGCCAACAAABAATCTTAGCGAAGCATAGTANTGCT | 2475 |
| QY | 301 | GGTGTGGGCTCCCAATATGTCTCCGCGCTTCTGGGCAATCTCCCTGACATCCACGGTGCAG | 360 |
| DB | 2476 | GGTGTGGGCTCCCAATATGTCTCCGCGCTTCTGGGCAATCTCCCTGACATCCACGGTGCAG | 2535 |
| QY | 361 | CTGTGACACAGCTTATATGCGCTATGAGCTGCTCTTAAACATGTGTCGGGAAAACCGCGGA | 420 |
| DB | 2536 | CTGTGACACAGCTTATATGCGCTATGAGCTGCTCTTAAACATGTGTCGGGAAAACCGCGGA | 2595 |
| QY | 421 | CGCTGTGGGCTCCCAAGAACTGTGTGAACCTGTGTATGCAGATTTGCCAAGGGATAGACTAC | 480 |
| DB | 2596 | CGCTGTGGGCTCCCAAGAACTGTGTGAACCTGTGTATGCAGATTTGCCAAGGGATAGACTAC | 2655 |
| QY | 481 | CTGAGAGATGTGCGGCTGCTGACACAGGGAATTTGGCGCTCGGAAAGTCTGCTGTAAGAGT | 540 |
| DB | 2656 | CTGAGAGATGTGCGGCTGCTGACACAGGGAATTTGGCGCTCGGAAAGTCTGCTGTAAGAGT | 2715 |
| QY | 541 | CCCAACCATGTCAAAATTAACAAGCTTCCGGGCTGGCTCGGCTGCTGGAATTGACGAGACA | 600 |
| DB | 2716 | CCCAACCATGTCAAAATTAACAAGCTTCCGGGCTGGCTCGGCTGCTGGAATTGACGAGACA | 2775 |
| QY | 601 | GAGTACCATGCAAGATGGGGGCAAGGTGCCATCAAGTGAATGGGCTGGAATTCATTTC | 660 |
| DB | 2776 | GAGTACCATGCAAGATGGGGGCAAGGTGCCATCAAGTGAATGGGCTGGAATTCATTTC | 2835 |
| QY | 661 | CGCCGCGCGCTTCAACCCACAGAGTATGTGTGAGTTATGATGTGACCTGTGTGGGAGCTG | 720 |
| DB | 2836 | CGCCGCGCGCTTCAACCCACAGAGTATGTGTGAGTTATGATGTGACCTGTGTGGGAGCTG | 2895 |

QY 721 ATGACTTTTGGGGCCAAACCTTACGATGGATCCAGCCCGGAGATCCCTGACCTGCTG 780
DB 2896 ATGACTTTTGGGGCCAAACCTTACGATGGATCCAGCCCGGAGATCCCTGACCTGCTG 2955
QY 781 GAAAGGGGGAGCGGCTGCCCCAGCCCCCATCTGACCATGATGCTTACATATCATG 840
DB 2956 GAAAGGGGGAGCGGCTGCCCCAGCCCCCATCTGACCATGATGCTTACATATCATG 3015
QY 841 GTCAAATGTTGATGATGATGATCTGAAATGTCGAGCAAGATTCGGGGAGTTGGTCTGAA 900
DB 3016 GTCAAATGTTGATGATGATGATGATCTGAAATGTCGAGCAAGATTCGGGGAGTTGGTCTGAA 3075
QY 901 TTCTCCCGCATGCGCAGGAGACCCCGAGCGCTTTTGTGATCATCAGAAATGAGACTTGGGC 960
DB 3076 TTCTCCCGCATGCGCAGGAGACCCCGAGCGCTTTTGTGATCATCAGAAATGAGACTTGGGC 3135
QY 961 CCAAGCCAGTCCCTTGGACAGACCTTCTACCGCTCACTGCTGAGAGACGATGACATGGGG 1020
DB 3136 CCAAGCCAGTCCCTTGGACAGACCTTCTACCGCTCACTGCTGAGAGAGATGACATGGGG 3195
QY 1021 GACCTGGTGGATGCTGAGAGATCTGATACCCGAGAGGGCTTCTGTGTCAGACCTT 1080
DB 3196 GACCTGGTGGATGCTGAGAGATCTGATACCCGAGAGGGCTTCTGTGTCAGACCTT 3255
QY 1081 GCCCGGGGCGCTGGGGCATGATGTCACACAGGACCGCAGCTCATCTACAGAGAGTGGC 1140
DB 3256 GCCCGGGGCGCTGGGGCATGATGTCACACAGGACCGCAGCTCATCTACAGAGAGTGGC 3315
QY 1141 GGTGGGGAGCTGACATGAGGGCTGGAGCCCTCTGAAGAGAGGCCCCAGGTCTTCACTG 1200
DB 3316 GGTGGGGAGCTGACATGAGGGCTGGAGCCCTCTGAAGAGAGGCCCCAGGTCTTCACTG 3375
QY 1201 GCAACCCCTCGAAGGGGGCTGGCTCCGATGATTTGATGTCACCTGGGAAATGGGGGCGAGC 1260
DB 3376 GCAACCCCTCGAAGGGGGCTGGCTCCGATGATTTGATGTCACCTGGGAAATGGGGGCGAGC 3435
QY 1261 AAGGGGCTGCAAAAGCCTCCCAACATGACCCCAAGCCCTCTACAGCGGTACAGTGAAGAC 1320
DB 3436 AAGGGGCTGCAAAAGCCTCCCAACATGACCCCAAGCCCTCTACAGCGGTACAGTGAAGAC 3495
QY 1321 CCCACAGTACCCCTGCTGCTGAGACTGATGAGCTAGCTGCTGCTGAGCTGAGCTGAGC 1380
DB 3496 CCCACAGTACCCCTGCTGCTGAGACTGATGAGCTAGCTGCTGCTGAGCTGAGCTGAGC 3555
QY 1381 CAGCCTGAATATGGAACCAAGCAAGATGTCGGGCCAGGCCCTTGGCCCCGAGAGGGC 1440
DB 3556 CAGCCTGAATATGGAACCAAGCAAGATGTCGGGCCAGGCCCTTGGCCCCGAGAGGGC 3615
QY 1441 CCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1500
DB 3616 CCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3675
QY 1501 GGGAGAGATGGGGCTGCTCAAAAGCGTTTTTGGCTTTGGGGGGTGGCTGAGAAACCCCGAG 1560
DB 3676 GGGAGAGATGGGGCTGCTCAAAAGCGTTTTTGGCTTTGGGGGGTGGCTGAGAAACCCCGAG 3735
QY 1561 TACTTGAACACCCAGAGAGAGAGCTGCCCCCTCAGGCCCAACCTCTCTCTGCTTTAGGCCA 1620
DB 3736 TACTTGAACACCCAGAGAGAGAGCTGCCCCCTCAGGCCCAACCTCTCTCTGCTTTAGGCCA 3795
QY 1621 GCCTTGGACAACCTCTTACTGAGGACCAAGAACCCCAAGAGCGGGGGGCTCCAGCCAGC 1680
DB 3796 GCCTTGGACAACCTCTTACTGAGGACCAAGAACCCCAAGAGCGGGGGGCTCCAGCCAGC 3855
QY 1681 ACCTTCAAGAGGACACTTACGGCAGAGAACCCAGAGTACCTGGTCTGAGAGTGCACAGT 1740
DB 3856 ACCTTCAAGAGGACACTTACGGCAGAGAACCCAGAGTACCTGGTCTGAGAGTGCACAGT 3915

RESULT 22
US-10-177-293-125
; Sequence 125, Application US/10177293

Publication No. US20030124128A1
GENERAL INFORMATION:
APPLICANT: Lillie, James
APPLICANT: Galt, Karen
APPLICANT: Zhao, Xumei
APPLICANT: Gannavarpu, Manjula
APPLICANT: Kamatkar, Shubhangi
APPLICANT: Mertens, Maureen
APPLICANT: Myer, Vic
APPLICANT: Mang, Youzhen
APPLICANT: Xu, Yongyao
APPLICANT: Hoersch, Sebastian
APPLICANT: Monahan, John
APPLICANT: Meyers, Rachel E.
APPLICANT: Baet Jr., Robert C.
APPLICANT: Hortobagyi, Gabriel N.
APPLICANT: Pusztai, Lajos
APPLICANT: Meric, Funda
APPLICANT: Sahin, Aysegul
APPLICANT: Mills, Gordon B.
TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
PREVENTION, AND THERAPY OF BREAST CANCER
FILE REFERENCE: MRI-038
CURRENT APPLICATION NUMBER: US/10/177,293
PRIOR FILING DATE: 2002-06-21
PRIOR APPLICATION NUMBER: US 60/299,887
PRIOR FILING DATE: 2001-06-21
PRIOR APPLICATION NUMBER: US 60/301,572
PRIOR FILING DATE: 2001-06-27
PRIOR APPLICATION NUMBER: US 60/306,501
PRIOR FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: US 60/325,002
PRIOR FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US 60/362,585
PRIOR FILING DATE: 2002-03-05
PRIOR APPLICATION NUMBER: US 60/xxx,xxx
PRIOR FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 506
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 125
LENGTH: 4530
TYPE: DNA
ORGANISM: Homo sapiens
US-10-177-293-125
Query Match 99.9%; Score 1738.4; DB 15; Length 4530;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 AAGGACGGCAGAGAAATCCGGAATACAGATGGCGAGACTGTGAGAAACGAG 60
DB 2176 AAGGACGGCAGAGAAATCCGGAATACAGATGGCGAGACTGTGAGAAACGAG 2235
QY 61 CTGGTGAGCCGCTGACACCTAGCGAGCGATGCCCAAGCGGACGATGGGATCTG 120
DB 2236 CTGGTGAGCCGCTGACACCTAGCGAGCGATGCCCAAGCGGACGATGGGATCTG 2295
QY 121 AAGAGACGGAGCTGAGAGAGTGAAGTCTTGAATCTGGCGCTTTTGGACAGTCTAC 180
DB 2296 AAGAGACGGAGCTGAGAGAGTGAAGTCTTGAATCTGGCGCTTTTGGACAGTCTAC 2355
QY 181 AAGGACATCTGATCTCCCTGATGGGAGAGATGTGAAATTCAGTGGCCATCAAGTGTG 240
DB 2356 AAGGACATCTGATCTCCCTGATGGGAGAGATGTGAAATTCAGTGGCCATCAAGTGTG 2415
QY 241 AAGGAAACACATCCCCCAAGCCAAACAAAGAAATCTTAGACGAAGCATACGTAGAGCT 300
DB 2416 AAGGAAACACATCCCCCAAGCCAAACAAAGAAATCTTAGACGAAGCATACGTAGAGCT 3075
QY 301 GGTGTGGGCTCCCATATGCTCTCCGCTTCTGGGCACTGCTGACATCAAGGTGAG 360
DB 2476 GGTGTGGGCTCCCATATGCTCTCCGCTTCTGGGCACTGCTGACATCAAGGTGAG 2535

QY 361 CTGGTGAACAGCTTATGCTTATGCTGCTCTTGAACCATGTCCGGGAAAAACCCGGA 420
DB 2536 CTGGTGAACAGCTTATGCTTATGCTGCTCTTGAACCATGTCCGGGAAAAACCCGGA 2595
QY 421 CGCTGGGCTCCAGGACCTGTAACCTGCTGATGAGATGCAAGGAGGATGAGCTAC 480
DB 2596 CGCTGGGCTCCAGGACCTGTAACCTGCTGATGAGATGCAAGGAGGATGAGCTAC 2655
QY 481 CTGAGAGATGTCGGCTCTGTAACAGGACCTTGGCCGCTCGGAACGTGCTCAAGAT 540
DB 2656 CTGAGAGATGTCGGCTCTGTAACAGGACCTTGGCCGCTCGGAACGTGCTCAAGAT 2715
QY 541 CCACACATGTCAAATTAAGACTTGGGCTGCTGCTGCTGCAATTGACAGACA 600
DB 2716 CCACACATGTCAAATTAAGACTTGGGCTGCTGCTGCTGCAATTGACAGACA 2775
QY 601 GACTACATGCAATGGGGGCAAGGTGCCATCAAGTGAATGGCGCTGGAGTCCATTCTC 660
DB 2776 GACTACATGCAATGGGGGCAAGGTGCCATCAAGTGAATGGCGCTGGAGTCCATTCTC 2835
QY 661 CGCCGGCGGTTCAACCAACAGAGTGAATGTGAGATTGATGATGATGCTGCTGAGCTG 720
DB 2836 CGCCGGCGGTTCAACCAACAGAGTGAATGTGAGATTGATGATGATGCTGCTGAGCTG 2895
QY 721 ATGACTTTTGGGGCAAACTTACAGATGGATCCAGCCGGGAGATCCTTGAACCTGCTG 780
DB 2896 ATGACTTTTGGGGCAAACTTACAGATGGATCCAGCCGGGAGATCCTTGAACCTGCTG 2955
QY 781 GAAAGGGGGAGGGGCTGCCCCAGCCCCCATGCAACATGATGCTACATGATCATG 840
DB 2956 GAAAGGGGGAGGGGCTGCCCCAGCCCCCATGCAACATGATGCTACATGATCATG 3015
QY 841 GTCAAAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900
DB 3016 GTCAAAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 3075
QY 901 TTCTCCCGCATGCGCAGAGACCCCGAGCGCTTTGTGTGATCCAGATGAGACTTGGGC 960
DB 3076 TTCTCCCGCATGCGCAGAGACCCCGAGCGCTTTGTGTGATCCAGATGAGACTTGGGC 3135
QY 961 CCAGCCAGTCCCTTGAACAGACCTTCTACCGCTCACTGCTGAGAGAGCATGATGGG 1020
DB 3136 CCAGCCAGTCCCTTGAACAGACCTTCTACCGCTCACTGCTGAGAGAGCATGATGGG 3195
QY 1021 GACCTGTGATGCTGAGAGTATCTGATCTGATCTGATCTGATCTGATCTGATCTGAT 1080
DB 3196 GACCTGTGATGCTGAGAGTATCTGATCTGATCTGATCTGATCTGATCTGATCTGAT 3255
QY 1081 GCCCCGGGCGCTGAGGAGATGTCACACAGGACCCGAGCTCATCTACAGAGATGGC 1140
DB 3256 GCCCCGGGCGCTGAGGAGATGTCACACAGGACCCGAGCTCATCTACAGAGATGGC 3315
QY 1141 GGTGGGGACCTGACATGAGGGCTGAGGCGCTTGAAGAGAGGCGCCAGATCTCCACTG 1200
DB 3316 GGTGGGGACCTGACATGAGGGCTGAGGCGCTTGAAGAGAGGCGCCAGATCTCCACTG 3375
QY 1201 GCAACCTTCCAGAGGGGCTGCTCCGATGATTTTGAATGATGATGATGATGATGATGAT 1260
DB 3376 GCAACCTTCCAGAGGGGCTGCTCCGATGATTTTGAATGATGATGATGATGATGATGAT 3435
QY 1261 AAGGGGCTGCAAAAGCTTCCCAACATGACCCAGCCCTTACAGCGGATCAAGTGAAC 1320
DB 3436 AAGGGGCTGCAAAAGCTTCCCAACATGACCCAGCCCTTACAGCGGATCAAGTGAAC 3495
QY 1321 CCACACATGCAAAATTAAGACTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1380
DB 3496 CCACACATGCAAAATTAAGACTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3555
QY 1381 CAGCCTGAATATGTAACAGACAGATGTTCCGCCCCAGGCCCTTGGCCCCAGAGGGC 1440
DB 3556 CAGCCTGAATATGTAACAGACAGATGTTCCGCCCCAGGCCCTTGGCCCCAGAGGGC 3615
QY 1441 CTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1500

DB 3616 CTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3675
QY 1501 GGAAGAAATGGGGTCTCAAAAGAGCTTTTGTGCTTTGGGGGTCCTGAGAAACCCGAG 1560
DB 3676 GGAAGAAATGGGGTCTCAAAAGAGCTTTTGTGCTTTGGGGGTCCTGAGAAACCCGAG 3735
QY 1561 TACTTGAACCCAGGAGAGAGTCCCTCAGCCCCACCTCTCTCTGCTTCAAGCCA 1620
DB 3736 TACTTGAACCCAGGAGAGAGTCCCTCAGCCCCACCTCTCTCTGCTTCAAGCCA 3795
QY 1621 GCCTTGAACACCTTATTAATGAGGACAGAGACCCACAGAGGGGGGCTCCACAGC 1680
DB 3796 GCCTTGAACACCTTATTAATGAGGACAGAGACCCACAGAGGGGGGCTCCACAGC 3855
QY 1681 ACCTTAAAGGAGACCTACGAGAGAAACCAAGATCACTGGGCTGAGCTGCAAGTG 1740
DB 3856 ACCTTAAAGGAGACCTACGAGAGAAACCAAGATCACTGGGCTGAGCTGCAAGTG 3915

RESULT 23
US-10-007-926A-119
; Sequence 119, Application US/10007926A
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, FRANCOIS
; APPLICANT: HOUIGATTE, REMI
; APPLICANT: BIRNBAUM, DANIEL
; APPLICANT: NGUYEN, CATHERINE
; APPLICANT: VIENS, PATRICE
; APPLICANT: FERT, VINCENT
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF PRIMARY BREAST CARCINOMAS
; FILE REFERENCE: 1546-R-00
; CURRENT APPLICATION NUMBER: US/10/007,926A
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/254,090
; NUMBER OF SEQ ID NOS: 468
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 119
; LENGTH: 4530
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: v-erb-b2 avian erythroblastic leukemia viral
; OTHER INFORMATION: oncogene homolog 2 (neuro/glioblastoma derived
; OTHER INFORMATION: oncogene homolog) (BRB2) gene.
US-10-007-926A-119

Query Match 99.9%; Score 1738.4; DB 15; Length 4530;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAGCGACGCGAGCAAGATCCGGAAGTACAGATGCGGAGATGCTGCGAGAAAGGAG 60
DB 2176 AAGCGACGCGAGCAAGATCCGGAAGTACAGATGCGGAGATGCTGCGAGAAAGGAG 2235
QY 61 CTGGTGAAGCGGCTGACACCTAGCGAGGATGCCAACAGGCGAGATGCGGATCTTG 120
DB 2236 CTGGTGAAGCGGCTGACACCTAGCGAGGATGCCAACAGGCGAGATGCGGATCTTG 2295
QY 121 AAGAGACGAGCTGAGAGAGTGAAGTGTGATCTTGCGCTTTTGGCAAGTCTAC 180
DB 2296 AAGAGACGAGCTGAGAGAGTGAAGTGTGATCTTGCGCTTTTGGCAAGTCTAC 2355
QY 181 AAGGCAATCTGATCCCTGATGGGAGAAATGTGAATAATTCAGTGGCATCAAGTGTG 240
DB 2356 AAGGCAATCTGATCCCTGATGGGAGAAATGTGAATAATTCAGTGGCATCAAGTGTG 2415
QY 241 AAGGAAACACATCCCAAGCAAGCAACAAAGAAATCTTGAAGAGATACGATGAGCT 300
DB 2416 AAGGAAACACATCCCAAGCAAGCAACAAAGAAATCTTGAAGAGATACGATGAGCT 2475

QY 301 GGTGTGGGCTCCCATATGTCTCCGCTTCTGGGCACTGCTGACATCCAGGTCAG 360
DB 2476 GGTGTGGGCTCCCATATGTCTCCGCTTCTGGGCACTGCTGACATCCAGGTCAG 2535
QY 361 CTGTGTACACAGCTTATGCTCTATGCTGCTCTTGAACATATGTCGGGAAAAACCGGGA 420
DB 2536 CTGTGTACACAGCTTATGCTCTATGCTGCTCTTGAACATATGTCGGGAAAAACCGGGA 2595
QY 421 GCGCTGGGCTCCAGAGACCTGGAATGCTGTATGCAATGCAAGGGGAGAGCTAC 480
DB 2596 GCGCTGGGCTCCAGAGACCTGGAATGCTGTATGCAATGCAAGGGGAGAGCTAC 2655
QY 481 CTGAGAGATGTGGGCTGCTGACACAGGGAATTTGGCCGCTGGAACGTGCTCAAGAGT 540
DB 2656 CTGAGAGATGTGGGCTGCTGACACAGGGAATTTGGCCGCTGGAACGTGCTCAAGAGT 2715
QY 541 CCCAACCATGTCAAAATTACAGATCTTGCGGCTGCTGCTGCTGCAATTAACAGACA 600
DB 2716 CCCAACCATGTCAAAATTACAGATCTTGCGGCTGCTGCTGCTGCAATTAACAGACA 2775
QY 601 GAGTACCATGAGATGGGGCAAGGTGCCCATCAAGTGAATGGCGCTGAGTCAATTC 660
DB 2776 GAGTACCATGAGATGGGGCAAGGTGCCCATCAAGTGAATGGCGCTGAGTCAATTC 2835
QY 661 CCGCGGCGGTTCAACCAACAGATGATGTGTGAGATTATGCTGATGCTGTGGAGCTG 720
DB 2836 CCGCGGCGGTTCAACCAACAGATGATGTGTGAGATTATGCTGATGCTGTGGAGCTG 2895
QY 721 ATGACTTTTGGGGCCAAACCTTACGATGGGATCCAGCCCGGAGATCCCTGACCTGCTG 780
DB 2896 ATGACTTTTGGGGCCAAACCTTACGATGGGATCCAGCCCGGAGATCCCTGACCTGCTG 2955
QY 781 GAAAAGGGGAGGGGCTGCCCGGCCCCCATCTGACCACTTATGCTTACATGATCANG 840
DB 2956 GAAAAGGGGAGGGGCTGCCCGGCCCCCATCTGACCACTTATGCTTACATGATCANG 3015
QY 841 GTCAAAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900
DB 3016 GTCAAAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3075
QY 901 TTCTCTCCGATGCGCAGGAGACCCCAAGCGTTTGTGTGCTATCCAGATGAGACTGGGC 960
DB 3076 TTCTCTCCGATGCGCAGGAGACCCCAAGCGTTTGTGTGCTATCCAGATGAGACTGGGC 3135
QY 961 CCAGCCATGCTCTTGGACACGACCTTCTACCGCTCACTGCTGAGAGACGATGAGGGG 1020
DB 3136 CCAGCCATGCTCTTGGACACGACCTTCTACCGCTCACTGCTGAGAGACGATGAGGGG 3195
QY 1021 GACTGTGTGATGCTGAGAGATCTGATGATGATGATGATGATGATGATGATGATGATG 1080
DB 3196 GACTGTGTGATGCTGAGAGATCTGATGATGATGATGATGATGATGATGATGATGATG 3255
QY 1081 GCGCCGCGGCGCTGTGGGGCAATGTCTCAACAGGACCCGACGCTCATCTACAGAGATG 1140
DB 3256 GCGCCGCGGCGCTGTGGGGCAATGTCTCAACAGGACCCGACGCTCATCTACAGAGATG 3315
QY 1141 GGTGTGGGACCTGACATTAAGGCTGTGAGGCTCTTGAAGAAGAGGCCCCAGGCTTCA 1200
DB 3316 GGTGTGGGACCTGACATTAAGGCTGTGAGGCTCTTGAAGAAGAGGCCCCAGGCTTCA 3375
QY 1201 GCAACCTTCGAGAGGGGCTGGGCTCGATGATTTGATGATGATGATGATGATGATGATG 1260
DB 3376 GCAACCTTCGAGAGGGGCTGGGCTCGATGATTTGATGATGATGATGATGATGATGATG 3435
QY 1261 AAGGGGCTGCAAAAGCTTCCCAACATGACCCCAAGCCTTCTACAGCGGTACAGTGAAG 1320
DB 3436 AAGGGGCTGCAAAAGCTTCCCAACATGACCCCAAGCCTTCTACAGCGGTACAGTGAAG 3495
QY 1321 CCCACATGACCTTCCCTCTGAGACTGATGATGATGATGATGATGATGATGATGATGATG 1380
DB 3496 CCCACATGACCTTCCCTCTGAGACTGATGATGATGATGATGATGATGATGATGATGATG 3555

QY 1381 CAGCTGAATATGTGAACCAAGCAGATGTTGCGGCCCCCAGGCCCCCTTGCCCGAGAGAGG 1440
DB 3556 CAGCTGAATATGTGAACCAAGCAGATGTTGCGGCCCCCAGGCCCCCTTGCCCGAGAGAGG 3615
QY 1441 CCTTGTGCTGTGCGGCGGACCTGCTGTGTGCTGCTGTGCTGTGCTGTGCTGTGCTGTG 1500
DB 3616 CCTTGTGCTGTGCGGCGGACCTGCTGTGTGCTGCTGTGCTGTGCTGTGCTGTGCTGTG 3675
QY 1501 GGGAGAAATGGGGTGTGCTCAAGAGCTTTTGGCTTTGGGGGTGCGGTGAGAAACCCGAG 1560
DB 3676 GGGAGAAATGGGGTGTGCTCAAGAGCTTTTGGCTTTGGGGGTGCGGTGAGAAACCCGAG 3735
QY 1561 TACTTGACACCCCAAGGAGAGGTGCGCCCTCAAGCCCAACCTTCTCTGCTTCAAGCCA 1620
DB 3736 TACTTGACACCCCAAGGAGAGGTGCGCCCTCAAGCCCAACCTTCTCTGCTTCAAGCCA 3795
QY 1621 GCTTTGACACCTCTTATTAATGCTGAGACCAAGACCCACAGAGCGGGGGCTCCACCCAG 1680
DB 3796 GCTTTGACACCTCTTATTAATGCTGAGACCAAGACCCACAGAGCGGGGGCTCCACCCAG 3855
QY 1681 ACCTTCAAGGGGACACCTACCGGAGAAACCCAGAGTACCTGGGTCTGACGTCAGAGT 1740
DB 3856 ACCTTCAAGGGGACACCTACCGGAGAAACCCAGAGTACCTGGGTCTGACGTCAGAGT 3915

RESULT 24

US-10-338-730-1

; Sequence 1, Application US/10338730
; Publication No. US20030147905A1
; GENERAL INFORMATION:
; APPLICANT: Genzyme Corporation
; APPLICANT: Nicolette, Charles A.
; TITLE OF INVENTION: THERAPEUTIC COMPOUNDS
; FILE REFERENCE: 5017C
; CURRENT APPLICATION NUMBER: US/10/338, 730
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: US 09/527, 487
; PRIOR FILING DATE: 2002-03-16
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 4530
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (151)..(3915)
; OTHER INFORMATION:
US-10-338-730-1

Query Match

Best Local Similarity 99.9%; Score 1738.4; DB 15; Length 4530; Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAGCGAGCGGACGAGAAATCCGAGATACACAGATCGAGACTGCTGACGAGAAACGAG 60
DB 2176 AAGCGAGCGGACGAGAAATCCGAGATACACAGATCGAGACTGCTGACGAGAAACGAG 2235
QY 61 CTGTGTGAGCCGCTGACACCTTACCGGAGCGATGCCCAACGAGCGAGATGCGGATCTTG 120
DB 2236 CTGTGTGAGCCGCTGACACCTTACCGGAGCGATGCCCAACGAGCGAGATGCGGATCTTG 2295
QY 121 AAAGAGACGAGGCTGAGAGAAAGTGAAGTGTGATCTGAGCGCTTTTGGACAGTCTAC 180
DB 2296 AAAGAGACGAGGCTGAGAGAAAGTGAAGTGTGATCTGAGCGCTTTTGGACAGTCTAC 2355
QY 181 AAGGGCATCTGATCTCCTGATGAGGAGAAATGTAATAATCCAGTGGCATCAAGTGTG 240
DB 2356 AAGGGCATCTGATCTCCTGATGAGGAGAAATGTAATAATCCAGTGGCATCAAGTGTG 2415
QY 241 AAGGAAACACATCCCCCAAGCCAAAGAAATCTTGAACGAGACATACGTGATGCT 300
DB 2416 AAGGAAACACATCCCCCAAGCCAAAGAAATCTTGAACGAGACATACGTGATGCT 2475

| | | | |
|----|------|--|------|
| QY | 301 | GGTGTGGGCTCCCAATATGTCTCCCGCTTTGTGGGCATCTGCTGACATCCACGTTGAC | 360 |
| Db | 2476 | GGTGTGGGCTCCCAATATGTCTCCCGCTTTGTGGGCATCTGCTGACATCCACGTTGAC | 2535 |
| QY | 361 | CTGTGTGACAGAGCTTATATGCCCTATATGCGGCTCTTATGACATATGCGGGAAAAACCGGGGA | 420 |
| Db | 2536 | CTGTGTGACAGAGCTTATATGCCCTATATGCGGCTCTTATGACATATGCGGGAAAAACCGGGGA | 2595 |
| QY | 421 | CGCCTGGGCTCCAGAGACTGTGTAATCTGTGTATGTAGAGATTGCGAAGGGGATGAGCTAC | 480 |
| Db | 2596 | CGCCTGGGCTCCAGAGACTGTGTAATCTGTGTATGTAGAGATTGCGAAGGGGATGAGCTAC | 2655 |
| QY | 481 | CTGAGAGATGTGCGGCTCTGTACACAGGACCTTGGCCGCTCGAAACGTGCTGTCAAGT | 540 |
| Db | 2656 | CTGAGAGATGTGCGGCTCTGTACACAGGACCTTGGCCGCTCGAAACGTGCTGTCAAGT | 2715 |
| QY | 541 | CCCAACCATGTCAAAATTACAGACTTGGGGGTGGCTGGCTGGAGCATTTGAGAGACACA | 600 |
| Db | 2716 | CCCAACCATGTCAAAATTACAGACTTGGGGGTGGCTGGCTGGAGCATTTGAGAGACACA | 2775 |
| QY | 601 | GAGTACCATGAGATGGGGGCAAGGTGCGCATCAAGTGAATGGGCGTGAATCCATTCTC | 660 |
| Db | 2776 | GAGTACCATGAGATGGGGGCAAGGTGCGCATCAAGTGAATGGGCGTGAATCCATTCTC | 2835 |
| QY | 661 | CGCCGGCGGTTACCCACACAGATGATGTGTGAGTTATGTGTGACTGTGTGSGAGCTG | 720 |
| Db | 2836 | CGCCGGCGGTTACCCACACAGATGATGTGTGAGTTATGTGTGACTGTGTGTGSGAGCTG | 2895 |
| QY | 721 | ATGACTTTTGGGGCCAAACTTTACGATGGGATCCAGTCCGGGAGATTCCTGACTGTGTG | 780 |
| Db | 2896 | ATGACTTTTGGGGCCAAACTTTACGATGGGATCCAGTCCGGGAGATTCCTGACTGTGTG | 2955 |
| QY | 781 | GAAAGGGGGAGCGGCTGCCAGCCCCCATCTGCACATTTGATGTCTACATGATCATG | 840 |
| Db | 2956 | GAAAGGGGGAGCGGCTGCCAGCCCCCATCTGCACATTTGATGTCTACATGATCATG | 3015 |
| QY | 841 | GTCAATGTGTGATGATTTGACTCTGTAATGTGCGGCCAAGATTCCGGAGATTGATGTCTGA | 900 |
| Db | 3016 | GTCAATGTGTGATGATTTGACTCTGTAATGTGCGGCCAAGATTCCGGAGATTGATGTCTGA | 3075 |
| QY | 901 | TTCTTCGCCGATGGCCAGGGAACCCCAAGGCTTTGTGTGATTCAGAAATGAGACTTGGGC | 960 |
| Db | 3076 | TTCTTCGCCGATGGCCAGGGAACCCCAAGGCTTTGTGTGATTCAGAAATGAGACTTGGGC | 3135 |
| QY | 961 | CCAGCAGATCCCTTGGACAGCAACCTTACACGCTCAGTCGCTGGAGAGATGACATGGGG | 1020 |
| Db | 3136 | CCAGCAGATCCCTTGGACAGCAACCTTACACGCTCAGTCGCTGGAGAGATGACATGGGG | 3195 |
| QY | 1021 | GACTGTGTGATGCTGAGAGATATCTGTATCCCGACAGGAGCTTCTTCTGTCCAGACCT | 1080 |
| Db | 3196 | GACTGTGTGATGCTGAGAGATATCTGTATCCCGACAGGAGCTTCTTCTGTCCAGACCT | 3255 |
| QY | 1081 | GCCCCGGGCGCTGGGGGCAATGTTCCACACAGGACCGGAGTCAATCTACACGAGTGGC | 1140 |
| Db | 3256 | GCCCCGGGCGCTGGGGGCAATGTTCCACACAGGACCGGAGTCAATCTACACGAGTGGC | 3315 |
| QY | 1141 | GGTGGGGACCTGACACTAGAGGCTGTGAAGCCCTGTGAAGAGAGGCCCCCAGGCTTCACTG | 1200 |
| Db | 3316 | GGTGGGGACCTGACACTAGAGGCTGTGAAGCCCTGTGAAGAGAGGCCCCCAGGCTTCACTG | 3375 |
| QY | 1201 | GCAACCTCCGAAGGGGCTGGCTCCGATGTATTTGATGTGTGACTTGGGATGTGGGCGAC | 1260 |
| Db | 3376 | GCAACCTCCGAAGGGGCTGGCTCCGATGTATTTGATGTGTGACTTGGGATGTGGGCGAC | 3435 |
| QY | 1261 | AAGGGGCTGCAAAAGCTTCCCAACACATGACCCCAAGCCTCTTACAGCGGTACAGTAGAG | 1320 |
| Db | 3436 | AAGGGGCTGCAAAAGCTTCCCAACACATGACCCCAAGCCTCTTACAGCGGTACAGTAGAG | 3495 |
| QY | 1321 | CCCAACAGTACCCCTGCTCTGTAGACTGATGGCTACGTTGCCCCCCCTGACTGTGACGCCC | 1380 |
| Db | 3496 | CCCAACAGTACCCCTGCTCTGTAGACTGATGGCTACGTTGCCCCCCCTGACTGTGACGCCC | 3555 |

| | | | |
|----|------|---|------|
| QY | 1381 | CAGCCTGAATATGTGAACCAAGCCAGATGTTGCGGCCAGGCCCTTGCCCCGAGAAAGGC | 1440 |
| Db | 3556 | CAGCCTGAATATGTGAACCAAGCCAGATGTTGCGGCCAGGCCCTTGCCCCGAGAAAGGC | 3615 |
| QY | 1441 | CCCTGCGCTGTGCGCGACCTGCGTGAAGCACTGTGAAAAGGCCAAGACTCTCTCCCA | 1500 |
| Db | 3616 | CCCTGCGCTGTGCGCGACCTGCGTGAAGCACTGTGAAAAGGCCAAGACTCTCTCCCA | 3675 |
| QY | 1501 | GGGAAGATGGGGTGTCTCAAGAAGTITTTGCTTTGGGGGTGCGCTGTGAAGACCCGAG | 1560 |
| Db | 3676 | GGGAAGATGGGGTGTCTCAAGAAGTITTTGCTTTGGGGGTGCGCTGTGAAGACCCGAG | 3735 |
| QY | 1561 | TACTTGAACCCCAAGGAGAGAGTCTCCAGCCCAACCTCTCTGCTTCAAGCCA | 1620 |
| Db | 3736 | TACTTGAACCCCAAGGAGAGAGTCTCCAGCCCAACCTCTCTGCTTCAAGCCA | 3795 |
| QY | 1621 | GCTTTGCAACACTCTATTTACTGGGACCAAGACCCACCAAGAGCGGGGGCTTCAACCAAGC | 1680 |
| Db | 3796 | GCTTTGCAACACTCTATTTACTGGGACCAAGACCCACCAAGAGCGGGGGCTTCAACCAAGC | 3855 |
| QY | 1681 | ACCTTCAAAAGGAGACCTTAACGGCAGAAACCCAAAGTACCTGGGGTCTGSAAGTGTCCAGTG | 1740 |
| Db | 3856 | ACCTTCAAAAGGAGACCTTAACGGCAGAAACCCAAAGTACCTGGGGTCTGSAAGTGTCCAGTG | 3915 |

```

RESULT 25
US-10-101-510-124
/ Sequence 124, Application US/10101510
/ Publication NO. US20030148295A1
/ GENERAL INFORMATION:
/ APPLICANT: WAN, JACKSON
/ APPLICANT: WAN, YIXIN
/ TITLE OF INVENTION: EXPRESSION PROFILES AND METHODS OF USE
/ FILE REFERENCE: 15117, 0012
/ CURRENT APPLICATION NUMBER: US/10/101,510
/ PRIORITY FILING DATE: 2002-03-20
/ PRIOR APPLICATION NUMBER: 60/276,947
/ NUMBER OF SEQ ID NOS: 805
/ SOFTWARE: Patentin Ver. 2.1
/ SEQ ID NO 124
/ LENGTH: 4530
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-101-510-124

```

| Query Match | 99.9% | Score 1738.4 | DB 15 | Length 4530 |
|-----------------------|--|--------------|--------------|-------------|
| Best Local Similarity | 99.9% | Pred. No. 0 | | |
| Matches 1739 | Conservative | 0 | Mismatches 1 | Indels 0 |
| | | | | Gaps 0 |
| QY | 1 AAGCGACGGCAGCAGAGATCCGGAAAGTACAGATGCGGAGATCTGTCAGAAACGGAG | 60 | | |
| Db | 2176 AAGCGACGGCAGCAGAGATCCGGAAAGTACAGATGCGGAGATCTGTCAGAAACGGAG | 2235 | | |
| QY | 61 CTGTGTGAGCCGCTGTGACACTTACGGGACGATGCCCAACGAGCGCAGATCGGATCCTG | 120 | | |
| Db | 2236 CTGTGTGAGCCGCTGTGACACTTACGGGACGATGCCCAACGAGCGCAGATCGGATCCTG | 2295 | | |
| QY | 121 AAGGAGATCGAGAGCTGAGGAAGGTGCTTGTGATCTTGCGCGCTTTTGGACAGTCTAC | 180 | | |
| Db | 2236 AAGGAGATCGAGAGCTGAGGAAGGTGCTTGTGATCTTGCGCGCTTTTGGACAGTCTAC | 2355 | | |
| QY | 181 AAGGCGATCTGGAATCCCTGATGGGGAGATGTGAAAATTCAGTGGCCATCAAAGTGTG | 240 | | |
| Db | 2356 AAGGCGATCTGGAATCCCTGATGGGGAGATGTGAAAATTCAGTGGCCATCAAAGTGTG | 2415 | | |
| QY | 241 AAGGAAAAACATCCCCCAAAGCCAAACAAAGAAATCTTTGACGAAAGCATACGTATGCT | 300 | | |
| Db | 2416 AAGGAAAAACATCCCCCAAAGCCAAACAAAGAAATCTTTGACGAAAGCATACGTATGCT | 2475 | | |
| QY | 301 GGTGTGGCTCCCATATGTCTCCCGCTTCTGGGCATCTGCTGACATCCACGGTGCAG | 360 | | |
| Db | 2476 GGTGTGGCTCCCATATGTCTCCCGCTTCTGGGCATCTGCTGACATCCACGGTGCAG | 2535 | | |

| | | | |
|----|------|--|------|
| QY | 361 | CTGTGTGACACAGCTTAAATGACCTTAATGAGTGGCTCTCTTAAACAATGTCCGGGAAAAACCGGGCA | 420 |
| Dp | 2536 | CTGTGTGACACAGCTTAAATGACCTTAATGAGTGGCTCTCTTAAACAATGTCCGGGAAAAACCGGGCA | 2595 |
| QY | 421 | CGACTGGAGCTCCACAGACCTGTCTGAACCTGGTGTATGTAGATTTGCAAGGGAGTAGACTAC | 480 |
| Dp | 2596 | CGCTTGGGGCTCCAGAGACTGTCTGAACCTGGTGTATGTAGATTTGCAAGGGAGTAGACTAC | 2655 |
| QY | 481 | CTGGAGAGATGTGCGGCTCTGTACACAGGACCTTGGCCGCTGGAAAGTGTGTCAAGACT | 540 |
| Dp | 2656 | CTGGAGAGATGTGCGGCTCTGTACACAGGACCTTGGCCGCTGGAAAGTGTGTCAAGACT | 2715 |
| QY | 541 | CCCAACCATGTCAAAATTAACAATTGGGGCTGGCTGGGCTGGCAATTGACGAGACA | 600 |
| Dp | 2716 | CCCAACCATGTCAAAATTAACAAGACTTGGGGCTGGCTGGGCTGGCAATTGACGAGACA | 2775 |
| QY | 601 | GAGTACCATGACAGATGGGGGGCAAGGTGCCCATCAAGTGAATGGCGCTGAGAGTCCATTCTC | 660 |
| Dp | 2776 | GAGTACCATGACAGATGGGGGGCAAGGTGCCCATCAAGTGAATGGCGCTGAGAGTCCATTCTC | 2835 |
| QY | 661 | CGCCGGCGGTTACCCACACAGATGATGTGTGAATTATGGTGTGACTGTGTGGAGCTG | 720 |
| Dp | 2836 | CGCCGGCGGTTACCCACACAGATGATGTGTGAATTATGGTGTGACTGTGTGGAGCTG | 2895 |
| QY | 721 | ATGACTTTTGGGGGCAAACTTACAGATGGGATCCACCCGGGGAGATCCCTGACCTGCTG | 780 |
| Dp | 2896 | ATGACTTTTGGGGGCAAACTTACAGATGGGATCCACCCGGGGAGATCCCTGACCTGCTG | 2955 |
| QY | 781 | GAAAAAGGGGGAGCGAGCTGACCCACGCCCTCCATCTGCACATTTGATGTCTACATGATCATG | 840 |
| Dp | 2956 | GAAAAAGGGGGAGCGAGCTGACCCACGCCCTCCATCTGCACATTTGATGTCTACATGATCATG | 3015 |
| QY | 841 | GTCAATGTGTGATGATTTGACTCTGAATGTGCGCAAGATTCGGGAGTTGTGTCTGAA | 900 |
| Dp | 3016 | GTCAATGTGTGATGATTTGACTCTGAATGTGCGCAAGATTCGGGAGTTGTGTCTGAA | 3075 |
| QY | 901 | TTTCTCCGSCATGGCCAGGAGACCCCAAGCGCTTTGTGTGATCATCCGAATTAGAGGACTTGGGG | 960 |
| Dp | 3076 | TTTCTCCGSCATGGCCAGGAGACCCCAAGCGCTTTGTGTGATCATCCGAATTAGAGGACTTGGGG | 3135 |
| QY | 961 | CCAGCAGATGCTCTTGGACAGACACTTCAACGCTCACTGTGTGAGAGACGATGACATGGAGG | 1020 |
| Dp | 3136 | CCAGCAGATGCTCTTGGACAGACACTTCAACGCTCACTGTGTGAGAGACGATGACATGGAGG | 3195 |
| QY | 1021 | GACCTGTGTGATGCTGAGAGATATCTGTGTACCCAGACAGGGCTTCTTGTGTCCAGACCTT | 1080 |
| Dp | 3196 | GACCTGTGTGATGCTGAGAGATATCTGTGTACCCAGACAGGGCTTCTTGTGTCCAGACCTT | 3255 |
| QY | 1081 | GCCCCGGGGCGCTGGGGGGATATGTCTCAACAAGGACCCGACACTCATCTACAGAGATGTGC | 1140 |
| Dp | 3256 | GCCCCGGGGCGCTGGGGGGATATGTCTCAACAAGGACCCGACACTCATCTACAGAGATGTGC | 3315 |
| QY | 1141 | GGTGGGACCTGACACTTAGGGGCTGGAGGCGCTGAAGAGAGAGGCCCCAGGCTTCCACTG | 1200 |
| Dp | 3316 | GGTGGGACCTGACACTTAGGGGCTGGAGGCGCTTGAAGAGAGAGGCCCCAGGCTTCCACTG | 3375 |
| QY | 1201 | GCACCTTCCGAAGGGGCTGAGCTGCCGATTTTGAATGTGTGACTTGGGATATGGGGGACCC | 1260 |
| Dp | 3376 | GCACCTTCCGAAGGGGCTGAGCTGCCGATTTTGAATGTGTGACTTGGGATATGGGGGACCC | 3435 |
| QY | 1261 | AAAGGGGCTGCAAAAGCTTCCCAACATGACCCAGCCCTTACACAGCGGTACAGTGAAGAC | 1320 |
| Dp | 3436 | AAAGGGGCTGCAAAAGCTTCCCAACATGACCCAGCCCTTACACAGCGGTACAGTGAAGAC | 3495 |
| QY | 1321 | CCCAAGATACCCCTGCGCTCTGAGACTATGGCTACGTTGGCCCTTGAACCTGACAGCCCC | 1380 |
| Dp | 3496 | CCCAAGATACCCCTGCGCTCTGAGACTATGGCTACGTTGGCCCTTGAACCTGACAGCCCC | 3555 |
| QY | 1381 | CAGCCTGATAATGTGAACAGGACAAATTTGGGCCCGGACCCCTTCCGCCCGGAGAGGAC | 1440 |
| Dp | 3556 | CAGCCTGATAATGTGAACAGGACAAATTTGGGCCCGGACCCCTTCCGCCCGGAGAGGAC | 3615 |
| QY | 1441 | CCTTGCCTGTGCGCGACCTGTGTGTGCACCTTGAAAGGCCCAAGACTTCTTCCCA | 1500 |

| Accession | Sequence | Length |
|-----------|---|--------|
| D8 | 3616 CCTCTGCTGCTGCTGCACCTGCTGGAGCCACTCTGAAAGAGGCGCAAGACCTCTCTCCCA | 3675 |
| OY | 1501 GGGAAAGATGGGGGTGCTCAAGAAGCGTTTGGCTTTGGGGGTGGCGAGAAACCCGAG | 1560 |
| D8 | 3676 GGGAAAGATGGGGTGGCTCAAGAAGCGTTTGGCTTTGGGGGTGGCGAGAAACCCGAG | 3735 |
| OY | 1561 TACTTGAACCCGAGGAGAGCTGCCCCCTCAGCCCAACCTCTCTGCTTCAAGCCCA | 1620 |
| D8 | 3736 TACTTGAACCCCGAGGAGAGCTGCCCCCTCAGCCCAACCTCTCTGCTTCAAGCCCA | 3795 |
| OY | 1621 GCCTTCGACAACTCTATTACTGAGGACAGGACCCACAGGCGGGGGGCTCCACCCAGC | 1680 |
| D8 | 3796 GCCTTCGACAACTCTATTACTGAGGACAGGACCCACAGGCGGGGGGCTCCACCCAGC | 3855 |
| OY | 1681 ACCTTCAAGGAGACCTTACGGCGAGAAACCGAAGTACCTGGGTCTGGAACGTGCCAGTG | 1740 |
| D8 | 3856 ACCTTCAAGGAGACCTTACGGCGAGAAACCGAAGTACCTGGGTCTGGAACGTGCCAGTG | 3915 |

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RESULT: 27
US-10-426-836-11
/ Sequence 11, Application US/10426836
/ Publication No. US2003021150A1
/ GENERAL INFORMATION:
/ APPLICANT: K. Danenberg
/ TITLE OF INVENTION: Method of determining Epidermal Growth
/ TITLE OF INVENTION: Factor Receptor and HER2-Neu Gene Expression
/ TITLE OF INVENTION: and Correlation of Levels Thereof With Survival
/ FILE REFERENCE: 11220/169
/ CURRENT APPLICATION NUMBER: US/10/426,836
/ CURRENT FILING DATE: 2003-05-01
/ NUMBER OF SEQ ID NOS: 11
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 11
/ LENGTH: 4530
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-426-836-11

```

| Query Match | 99.9% | Score 1738.4 | DB 15 | Length 4530 |
|-----------------------|--------------|---|--------------|-------------|
| Best Local Similarity | 99.9% | Pred. No. 0 | | |
| Matches 1739 | Conservative | 0 | Mismatches 1 | Indels 0 |
| | | | | Gaps 0 |
| Qy | 1 | AAGGACCCGACAGAAAGATCCGGAAGTACAGATGCGGAGACTGTGACAGAAACCGAG | 60 | |
| Db | 2176 | AAGGACCCGACAGAAAGATCCGGAAGTACAGATGCGGAGACTGTGACAGAAACCGAG | 2235 | |
| Qy | 61 | CTGTGTGAGCCCGCTGACACCTTAGCGGAGCGCATGCCCCAACCAGGGGGAGATGGGATCCTG | 120 | |
| Db | 2236 | CTGTGTGAGCCCGCTGACACCTTAGCGGAGCGCATGCCCCAACCAGGGGGAGATGGGATCCTG | 2235 | |
| Qy | 121 | AAAGAGACGAGCTGAGGAGAGGTGAAGGTGCTTGGATCTGGCGCTTTTGGACAGCTTAC | 180 | |
| Db | 2236 | AAAGAGACGAGCTGAGGAGAGGTGAAGGTGCTTGGATCTGGCGCTTTTGGACAGCTTAC | 2355 | |
| Qy | 131 | AAGGCACTCTGGATTCCTTGATATGGGGAGAAATGTGAAAAATTCAGATGGCCATCAAAAGTGTG | 240 | |
| Db | 2356 | AAGGCACTCTGGATTCCTTGATATGGGGAGAGATGTGAAAAATTCAGATGGCCATCAAAAGTGTG | 2415 | |
| Qy | 241 | AGGAAAAACAGATCCCCCAAAGCCAACAAAGAAATCTTAGACGAGACATACGTATGGCT | 300 | |
| Db | 2416 | AGGAAAAACATCCCCCAAAGCCAACAAAGAAATCTTAGACGAGACATACGTATGGCT | 2475 | |
| Qy | 301 | GGTGTGGGCTCCCATATGTCTCCCGCTTCTGGGCATCTGCGCATTCACAGCTGAG | 360 | |
| Db | 2476 | GGTGTGGGCTCCCATATGTCTCCCGCTTCTGGGCATCTGCGCATTCACAGCTGAG | 2535 | |
| Qy | 361 | CTGTGTGACACAGCTTATGCTCCTATAGGCTGCTCTTAGACATATGTCGCGGAAAAACCGCGGA | 420 | |
| Db | 2536 | CTGTGTGACACAGCTTATGCTCCTATAGGCTGCTCTTAGACATATGTCGCGGAAAAACCGCGGA | 2595 | |
| Qy | 421 | CGCTGGGCTCCACGAGACCTGTGACATGTGTATGACAGATTCGCCAAGGGATGAGCTAC | 480 | |

| | | | |
|----|------|--|------|
| Db | 2556 | CGCCCTGGGCTCCAGAGACTCTGTGAACCTGGTGTATGTACGATTTCGACAGGGGATGACCTAC | 2655 |
| Qy | 481 | CTGAGAGATGTGGGCTGTACACAGGGACTTGGCCGCTCGGAACGTGCTGTCAAGAGT | 540 |
| Db | 2656 | CTGGAGAGATGTGGGCTGTACACAGGGACTTGGCCGCTCGGAACGTGCTGTCAAGAGT | 2715 |
| Qy | 541 | CCCAACCATGTTCMAAATTACAGACTTCGGGCTGGGCTCGGCTGTGTGACATTGACGACACA | 600 |
| Db | 2716 | CCCAACCATGTTCMAAATTACAGACTTCGGGCTGGGCTCGGCTGTGTGACATTGACGACACA | 2775 |
| Qy | 601 | GAGTACCATGTGACGANTGGGGGACAGGTGGCCCATCAAGTGGATGGGCTGGAATGCATTCTC | 660 |
| Db | 2776 | GAGTACCATGTGACGANTGGGGGACAGGTGGCCCATCAAGTGGATGGGCTGGAATGCATTCTC | 2835 |
| Qy | 661 | CGCCGGCGGTTACCCACACAGAGTGTGTGAGTTATGGTGTGTGACTGTGTGGAGCTG | 720 |
| Db | 2836 | CGCCGGCGGTTACCCACACAGAGTGTGTGAGTTATGGTGTGTGACTGTGTGGAGCTG | 2895 |
| Qy | 721 | ATGACTTTTGGGGGCCAACTTACAGATGGATTCACAGCCGGAGATCCCTGACCTGCTG | 780 |
| Db | 2896 | ATGACTTTTGGGGGCCAACTTACAGATGGATTCACAGCCGGAGATCCCTGACCTGCTG | 2955 |
| Qy | 781 | GAAAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGCACATTTGATGTCTACATGATCATCATG | 840 |
| Db | 2956 | GAAAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGCACATTTGATGTCTACATGATCATCATG | 3015 |
| Qy | 841 | GTCAAAATTTGGATGATTTGACTCTGTGAATGTGGGCCCAAAATTCGGGAGTTGGTGTCTGAA | 900 |
| Db | 3016 | GTCAAAATTTGGATGATTTGACTCTGTGAATGTGGGCCCAAAATTCGGGAGTTGGTGTCTGAA | 3075 |
| Qy | 901 | TTCTCCCGCATGGCCAGGAGCCCCAGCGCTTTGTGTATCTCAATCAAGATGAGGACTTGGG | 960 |
| Db | 3076 | TTCTCCCGCATGGCCAGGAGCCCCAGCGCTTTGTGTATCTCAATCAAGATGAGGACTTGGG | 3135 |
| Qy | 961 | CCAGCAGTCCCTTTGAGCAGCACTTTCAACGCTCACTGCTGGAGAGACGATGAGATGGG | 1020 |
| Db | 3136 | CCAGCAGTCCCTTTGAGCAGCACTTTCAACGCTCACTGCTGGAGAGACGATGAGATGGG | 3195 |
| Qy | 1021 | GACCTGTGTGATGCTGAGAGATTCCTGTGATCCCCAGAGGGCTTCTTGTCTCAGACCTT | 1080 |
| Db | 3196 | GACCTGTGTGATGCTGAGAGATTCCTGTGATCCCCAGAGGGCTTCTTGTCTCAGACCTT | 3255 |
| Qy | 1081 | GCCCCGGGCGCTGGGGGCGATGATGATCCACAGGCAACGCGACGCTCATCTACAGAGATGGC | 1140 |
| Db | 3256 | GCCCCGGGCGCTGGGGGCGATGATGATCCACAGGCAACGCGACGCTCATCTACAGAGATGGC | 3315 |
| Qy | 1141 | GGTGGGGACCTGACACTGAGGCTGTGAGGCTCTGTAAAGAGAGGCCCCAGGCTTCTCACTG | 1200 |
| Db | 3316 | GGTGGGGACCTGACACTGAGGCTGTGAGGCTCTGTAAAGAGAGGCCCCAGGCTTCTCACTG | 3375 |
| Qy | 1201 | GCACCCCTCCGAAGGGGCTGGGCTGCCGATTTATTTGATGTGTGACTGTGGGAATGGGGGACGC | 1260 |
| Db | 3376 | GCACCCCTCCGAAGGGGCTGGGCTGCCGATTTATTTGATGTGTGACTGTGGGAATGGGGGACGC | 3435 |
| Qy | 1261 | AAGGGGCTGCAAGAGCTTCCCAACATGACCCCAAGCCCTCTTACAGCGGTACAGTGAAGAC | 1320 |
| Db | 3436 | AAGGGGCTGCAAGAGCTTCCCAACATGACCCCAAGCCCTCTTACAGCGGTACAGTGAAGAC | 3495 |
| Qy | 1321 | CCCAACGATACCCCTGTGCTTGTGAGACTGTATGGCTACGTTGCCCCCTGTGACTGTGACGCC | 1380 |
| Db | 3496 | CCCAACGATACCCCTGTGCTTGTGAGACTGTATGGCTACGTTGCCCCCTGTGACTGTGACGCC | 3555 |
| Qy | 1381 | CAGCCTGAATATGTGAACACAGCAGATTTTGGGCGCCGACCCCTTGGCCCCGAGAGAGGC | 1440 |
| Db | 3556 | CAGCCTGAATATGTGAACACAGCAGATTTTGGGCGCCGACCCCTTGGCCCCGAGAGAGGC | 3615 |
| Qy | 1441 | CCTTGCCTGTGCTGCCGACCTGTGTGTGTCACTCTGAAGAGGCCCAAGACTCTCTCCCA | 1500 |
| Db | 3616 | CCTTGCCTGTGCTGCCGACCTGTGTGTGTCACTCTGAAGAGGCCCAAGACTCTCTCCCA | 3675 |
| Qy | 1501 | GGGAAGATGGGGTGTCTAAAGAGTTTTCCTTTGGGGGTGCCGTGTGAGAACCCCGAG | 1560 |

| | | | | |
|--|--|------|--|------|
| Dd | | 3676 | GGGAGAAATGGGgGTCTCAAGAAGCTTTTGGCTTTGGGGGTGCCTGGAGAACCCCGAG | 3735 |
| Oy | | 1561 | TACTTGACACCCCAGGAGAGAGTCGCCCTCAGACCACCTCTCTCTTGACGCCA | 1620 |
| Dd | | 3736 | TACTTGACACCCCAGGAGAGAGTCGCCCTCAGACCACCTCTCTCTTGACGCCA | 3795 |
| Oy | | 1621 | GCCCTCGACAACCTCTATTACTGGGACACAGACCACACAGACGGGGGGCTCCACCGC | 1680 |
| Dd | | 3796 | GCCCTCGACAACCTCTATTACTGGGACACAGACCACACAGACGGGGGGCTCCACCGC | 3855 |
| Oy | | 1681 | ACCTTCAAAGGAGACACTTAGCGGAGAAACCCAGAGTAAGTGGGTCTGACGTGCAAGT | 1740 |
| Dd | | 3856 | ACCTTCAAAGGAGACACTTAGCGGAGAAACCCAGAGTAAGTGGGTCTGACGTGCAAGT | 3915 |
| RESULT 28 US-10-272-437A-27 | | | | |
| ; Sequence 27, Application US/102722437A | | | | |
| ; Publication No. US20030216309A1 | | | | |
| ; GENERAL INFORMATION: | | | | |
| ; APPLICANT: Krag, David N. | | | | |
| ; APPLICANT: Pero, Stephanie C. | | | | |
| ; APPLICANT: Oligino, Lynn | | | | |
| ; TITLE OF INVENTION: BINDING PEPTIDES SPECIFIC FOR THE EXTRACELLULAR DOMAIN OF ERBB2 | | | | |
| ; TITLE OF INVENTION: USBS THEREFOR | | | | |
| ; FILE REFERENCE: V00139.70056.US | | | | |
| ; CURRENT APPLICATION NUMBER: US/10/272,437A | | | | |
| ; CURRENT FILING DATE: 2002-10-15 | | | | |
| ; PRIOR APPLICATION NUMBER: 60/329,183 | | | | |
| ; PRIOR FILING DATE: 2001-10-12 | | | | |
| ; NUMBER OF SEQ ID NOS: 46 | | | | |
| ; SOFTWARE: PatentIn version 3.1 | | | | |
| ; SEQ ID NO 27 | | | | |
| ; LENGTH: 4530 | | | | |
| ; TYPE: DNA | | | | |
| ; ORGANISM: Homo sapiens | | | | |
| US-10-272-437A-27 | | | | |
| Query Match 99.9%; Score 1738.4; DB 15; Length 4530; Best Local Similarity 99.9%; Pred. No. 0; Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0; | | | | |
| Oy | | 1 | AAGCACGGCAGACAGAAATCCGGAAGTACAGATCGGAGACTGCTGCAGAAAACGAG | 60 |
| Dd | | 2176 | AAGCACGGCAGACAGAAATCCGGAAGTACAGATCGGAGACTGCTGCAGAAAACGAG | 2235 |
| Oy | | 61 | CTGTGGAGCGCCTGACACCTAGCGGAGCGATGCCCAACAGCGCGCATGCCATCCTG | 120 |
| Dd | | 2236 | CTGTGGAGCGCCTGACACCTAGCGGAGCGATGCCCAACAGCGCGCATGCCATCCTG | 2295 |
| Oy | | 121 | AAAGAGACGAGCTGAGAAAGTGAAGTGTGATCTGGCGCTTTTGGACAGTCTAC | 180 |
| Dd | | 2296 | AAAGAGACGAGCTGAGAAAGTGAAGTGTGATCTGGCGCTTTTGGACAGTCTAC | 2355 |
| Oy | | 181 | AAGGCATCTGGATCCCTGATGGGAGAAATGTGAAAAATTCAGTGGCCATCAAGTGTG | 240 |
| Dd | | 2356 | AAGGCATCTGGATCCCTGATGGGAGAAATGTGAAAAATTCAGTGGCCATCAAGTGTG | 2415 |
| Oy | | 241 | AGGAAAAACATCCCCCAAGCAACAAAGAAATCTTAACGAAAGATACTATGTGCT | 300 |
| Dd | | 2416 | AGGAAAAACATCCCCCAAGCAACAAAGAAATCTTAACGAAAGATACTATGTGCT | 2475 |
| Oy | | 301 | GGTGGGGCTCCCATATGTCTCCGCTTCTGGGACATCTGCCTGACATCCACGGTGGAG | 360 |
| Dd | | 2476 | GGTGGGGCTCCCATATGTCTCCGCTTCTGGGACATCTGCCTGACATCCACGGTGGAG | 2535 |
| Oy | | 361 | CTGTGACACAGCTTATGTGCTTATGGCTGTGCTCTTATAGCAATGTCCGGGAAAAACCGGCA | 420 |
| Dd | | 2536 | CTGTGACACAGCTTATGTGCTTATGGCTGTGCTCTTATAGCAATGTCCGGGAAAAACCGGCA | 2595 |
| Oy | | 421 | CGCCTGGGCTCCCAAGACCTGCTGAACTGTGTATGCAAGTTGCCAAGGGATAGAGTAC | 480 |
| Dd | | 2596 | CGCCTGGGCTCCCAAGACCTGCTGAACTGTGTATGCAAGTTGCCAAGGGATAGAGTAC | 2655 |

QY 481 CTGAGAGATGTGGCTGTGACA CAGGGACTTGCGCTCGGAA CGTGTCTCAAGAGT 540
Db 2656 CTGAGAGATGTGGCTGTGACA CAGGGA CTTGGCCGCTCGGAA CGTGTCTCAAGAGT 2715
QY 541 CCCAACCTATGAAAATTACAGACTTGGGCTGGCTGGCTGTGACATTTGACGAGACA 600
Db 2716 CCCAACCTATGAAAATTACAGACTTGGGCTGGCTGGCTGTGACATTTGACGAGACA 2775
QY 601 GAGTACCATGACAGATGGGGGCAAGGTGCCATCAAGTGAATGGGCGCTGAGTCCATTCTC 660
Db 2776 GAGTACCATGACAGATGGGGGCAAGGTGCCATCAAGTGAATGGGCGCTGAGTCCATTCTC 2835
QY 661 CGCGGGGGTTTCA CCAACAGAGTGTGTGAGTGTGTGATGTGTGTGAGAGCTG 720
Db 2836 CGCGGGGGTTTCA CCAACAGAGTGTGTGAGTGTGTGATGTGTGTGAGAGCTG 2895
QY 721 ATGACTTTTGGGGCCAAACCTTACAGATGGGATCCAGCCCGGAGATCCCTGACTGCTG 780
Db 2896 ATGACTTTTGGGGCCAAACCTTACAGATGGGATCCAGCCCGGAGATCCCTGACTGCTG 2955
QY 781 GAAAAGGGGGAGGGGCTGCCCCAGCCCATCTGACCAATTGATGTCTACATGATCATG 840
Db 2956 GAAAAGGGGGAGGGGCTGCCCCAGCCCATCTGACCAATTGATGTCTACATGATCATG 3015
QY 841 GTCAAAATGTTGATGATTTGA CTCTGAATGTCTGGCCCAAGATTTCCGGGAGTTGTGTCTGAA 900
Db 3016 GTCAAAATGTTGATGATTTGA CTCTGAATGTCTGGCCCAAGATTTCCGGGAGTTGTGTCTGAA 3075
QY 901 TTTCTCCCGCATGCGCCAGGGA CCCCAGCGCTTTGTGTGTATCCAGATGAGAGACTTGGGC 960
Db 3076 TTTCTCCCGCATGCGCCAGGGA CCCCAGCGCTTTGTGTGTATCCAGATGAGAGACTTGGGC 3135
QY 961 CCAGCCAGTCCCTTGGACAGACACTTCTACCGCTCACTGTCTGAGAGAGATGACATGGGG 1020
Db 3136 CCAGCCAGTCCCTTGGACAGACACTTCTACCGCTCACTGTCTGAGAGAGATGACATGGGG 3195
QY 1021 GACCTGTGTGATGCTGAGAGATCTGTGTA CCCCAGAGAGGCTTTCTGTCTCCAGACCT 1080
Db 3196 GACCTGTGTGATGCTGAGAGATCTGTGTA CCCCAGAGAGGCTTTCTGTCTCCAGACCT 3255
QY 1081 GCCCCGGGGCTGTGGGGGATGATGTTCCACACAGGACCCGAGCTCATTTACAGAGATGGC 1140
Db 3256 GCCCCGGGGCTGTGGGGGATGATGTTCCACACAGGACCCGAGCTCATTTACAGAGATGGC 3315
QY 1141 GGTGGGAGCTTGA CACTAGAGGCTGTGAGACCTCTGTAAGAGAGAGGCCCCCAGGCTTCCACTG 1200
Db 3316 GGTGGGAGCTTGA CACTAGAGGCTGTGAGACCTCTGTAAGAGAGAGGCCCCCAGGCTTCCACTG 3375
QY 1201 GCAACCTCCGAAAGGGGCTGTGCTCGATGTATTTGATGTTGACTCTGGGAATGGGGGACGCC 1260
Db 3376 GCAACCTCCGAAAGGGGCTGTGCTCGATGTATTTGATGTTGACTCTGGGAATGGGGGACGCC 3435
QY 1261 AAGGGGCTGCAAAAGCTTCCCCACATGACCCCAAGCCCTTACACGGCTTACAGTGAAGAC 1320
Db 3436 AAGGGGCTGCAAAAGCTTCCCCACATGACCCCAAGCCCTTACACGGCTTACAGTGAAGAC 3495
QY 1321 CCCACAGTACCCCTGACCTGTGAGACTGATGAGTGAAGTGGGCCCCCTGACCTGACGCC 1380
Db 3496 CCCACAGTACCCCTGACCTGTGAGACTGATGAGTGAAGTGGGCCCCCTGACCTGACGCC 3555
QY 1381 CAGCCTGAATATGTGAACACAGCCAGATGTTTCGGCCCCAGGCCCTTTCGCCCGAGAGGC 1440
Db 3556 CAGCCTGAATATGTGAACACAGCCAGATGTTTCGGCCCCAGGCCCTTTCGCCCGAGAGGC 3615
QY 1441 CCTGTGCTGTCTGCGGACCTGCTGTGTGCACTTTGGAAAAGGCCCAAGACTTCTTCCCA 1500
Db 3616 CCTGTGCTGTCTGCGGACCTGCTGTGTGCACTTTGGAAAAGGCCCAAGACTTCTTCCCA 3675
QY 1501 GGGAGAAATGGGGGTGTCAAAAGAGCTTTTGGCTTTGGGGGGTGTCCGTGAAGAACCCCGAG 1560
Db 3676 GGGAGAAATGGGGGTGTCAAAAGAGCTTTTGGCTTTGGGGGGTGTCCGTGAAGAACCCCGAG 3735

QY 1561 TACTTGACACCCCGAGGAGAGCTGCCCTCAGCCCCACCTCTCTCTGCTTCAAGCCA 1620
Db 3736 TACTTGACACCCCGAGGAGAGCTGCCCTCAGCCCCACCTCTCTCTGCTTCAAGCCA 3795
QY 1621 GCCTTGACACACTCTATTACTGAGGACCAAGGACCCACAGAGGGGGGGCTCCAGCCAGC 1680
Db 3796 GCCTTGACACACTCTATTACTGAGGACCAAGGACCCACAGAGGGGGGGCTCCAGCCAGC 3855
QY 1681 ACCTTGAAAAGGACACTACGAGGAGAA CCAAGAGTACTGTGGTCTGACGTCAGTG 1740
Db 3856 ACCTTGAAAAGGACACTACGAGGAGAA CCAAGAGTACTGTGGTCTGACGTCAGTG 3915

RESULT 29
US-10-117-937-595
; Sequence 595, Application US/10117937
; Publication No. US20030220239A1
; GENERAL INFORMATION:
; APPLICANT: CTL IMMUNO THERAPIES CORP.
; APPLICANT: SIMARD, John, J.L.
; APPLICANT: DIAMOND, David, C.
; APPLICANT: LIU, Liping
; APPLICANT: XIE, Zhidong
; TITLE OF INVENTION: EPITOPE SEQUENCES
; FILE REFERENCE: CTLIMM.027A
; CURRENT APPLICATION NUMBER: US/10/117,937
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: US 60/282,211
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/337,017
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: US 60/363,210
; PRIOR FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 602
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 595
; LENGTH: 4530
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-117-937-595

Query Match 99.9%; Score 1738.4; DB 15; Length 4530;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAGCGACGGCAGAGAAATCCGAAAGTACACGATGCGAGACTGTGACGAAACCGAG 60
Db 2176 AAGCGACGGCAGAGAAATCCGAAAGTACACGATGCGAGACTGTGACGAAACCGAG 2235
QY 61 CTGTGTGAGCCGCTGACACCTAGCCGAGCGATGCCCAACGAGCGCATGCGGATCTTG 120
Db 2236 CTGTGTGAGCCGCTGACACCTAGCCGAGCGATGCCCAACGAGCGCATGCGGATCTTG 2295
QY 121 AAGAGACGAGAGCTGAGAGAAAGTGAAGTCTGTGATCTTGCCCTTTTGGACAGTCTAC 180
Db 2296 AAGAGACGAGAGCTGAGAGAAAGTGAAGTCTGTGATCTTGCCCTTTTGGACAGTCTAC 2355
QY 181 AAGGCACTGTGATCCCTGATGGGAGAAATGTGAAAAATTCAGTGGCCATCAAAAGTTTG 240
Db 2356 AAGGCACTGTGATCCCTGATGGGAGAAATGTGAAAAATTCAGTGGCCATCAAAAGTTTG 2415
QY 241 AAGGAAAACACATCCCCCAAAAGCCAA CAAAGAAATCTTAGACGAAGCATACGTGATGCT 300
Db 2416 AAGGAAAACACATCCCCCAAAAGCCAA CAAAGAAATCTTAGACGAAGCATACGTGATGCT 3075
QY 301 GGTGTGGGCTCCCAATATGTCTCTCCGCTTCTGGGCACTCTGCTGACATCAAGTGCAG 360
Db 2476 GGTGTGGGCTCCCAATATGTCTCTCCGCTTCTGGGCACTCTGCTGACATCAAGTGCAG 3675
QY 361 CTGTGACACAGCTTATGACCTTATGCTGCTCTTATGACCATGATCCGGGAAAAACCGGGA 420
Db 2536 CTGTGACACAGCTTATGACCTTATGCTGCTCTTATGACCATGATCCGGGAAAAACCGGGA 2555

| | | | |
|----|------|--|------|
| QY | 421 | GGCCCTGGGGCTCCCAAGACCTCTGTGAACCTGGTGTATGACGATTGGCCAAAGGGGATGAGCTAC | 480 |
| Dp | 2596 | CGCCTGGGCTCCCAAGACCTCTGTGAACCTGGTGTATGACGATTGGCCAAAGGGGATGAGCTAC | 2655 |
| QY | 481 | CTGGAGGATGTGCGGCTCGTACACAGGACCTTGGCCGCTCGGAACTGTCTGTCAAGAGT | 540 |
| Dp | 2656 | CTGGAGGATGTGCGGCTCGTACACAGGACCTTGGCCGCTCGGAACTGTCTGTCAAGAGT | 2715 |
| QY | 541 | CCCAACCATGTCCAAAATTACAGACTTCGGGCTGGCTCGGCTGTGACATTGACGAGACA | 600 |
| Dp | 2716 | CCCAACCATGTCCAAAATTACAGACTTCGGGCTGGCTCGGCTGTGACATTGACGAGACA | 2775 |
| QY | 601 | GAGTACCATGTGAGATGGGGGGCAAGGTGCGCATCAAGTGAAGGGGCTGGAATCCATTCTC | 660 |
| Dp | 2776 | GAGTACCATGTGAGATGGGGGGCAAGGTGCGCATCAAGTGAAGGGGCTGGAATCCATTCTC | 2835 |
| QY | 661 | CGCCGGCGGTTACACCCACAGAGTATGTGTGAGTTATGTGTGTGACTGTGTGGAGCTG | 720 |
| Dp | 2836 | CGCCGGCGGTTACACCCACAGAGTATGTGTGAGTTATGTGTGTGACTGTGTGGAGCTG | 2895 |
| QY | 721 | ATGACTTTTGGGGCCAAACTTTACGATGGATTCGACGCCGGAGATCCCTGACTGTGCTG | 780 |
| Dp | 2896 | ATGACTTTTGGGGCCAAACTTTACGATGGATTCGACGCCGGAGATCCCTGACTGTGCTG | 2955 |
| QY | 781 | GAAAAGGGGGGACGGCTGCCCCACGCCCCCATCTGCACATTGATGTCTAATATATATG | 840 |
| Dp | 2956 | GAAAAGGGGGGACGGCTGCCCCACGCCCCCATCTGCACATTGATGTCTAATATATATG | 3015 |
| QY | 841 | GTCAAAATGTTGGATGATTGACTCTGTAATGTGGCCAAAGATTCCGGGAGTTGGTGTCTGAA | 900 |
| Dp | 3016 | GTCAAAATGTTGGATGATTGACTCTGTAATGTGGCCAAAGATTCCGGGAGTTGGTGTCTGAA | 3075 |
| QY | 901 | TTCTTCCCGCATGACCAGGACCCCCACGCGCTTTGTGTCTATCCAAATGAGAACTTGGGC | 960 |
| Dp | 3076 | TTCTTCCCGCATGACCAGGACCCCCACGCGCTTTGTGTGTCTATCCAAATGAGAACTTGGGC | 3135 |
| QY | 961 | CCACACGATCCCTTGGACAGACACCTTTCAACGGCTCACTGCTGTGAGAGACGATGACATGGGG | 1020 |
| Dp | 3136 | CCACACGATCCCTTGGACAGACACCTTTCAACGGCTCACTGCTGTGAGAGAGATGACATGGGG | 3195 |
| QY | 1021 | GACCTGTGTGATGTGCTGAGAGAGTATCTGGTACCCCAAGAGGACTTCTTGTCTCCAGACCTT | 1080 |
| Dp | 3196 | GACCTGTGTGATGTGCTGAGAGAGTATCTGGTACCCCAAGAGGACTTCTTGTCTCCAGACCTT | 3255 |
| QY | 1081 | GCCCCCGGCGCTGGGGGGAGTGTGTCCACCAAGGACCGGACGCTCATCTACAGAGAGTGGC | 1140 |
| Dp | 3256 | GCCCCCGGCGCTGGGGGGAGTGTGTCCACCAAGGACCGGACGCTCATCTACAGAGAGTGGC | 3315 |
| QY | 1141 | GGTGGGGAACCTGACACTTGGGCTGTGAGCCCTCTGTAAAGAGAGGCCCCCAAGTCTTCCACTG | 1200 |
| Dp | 3316 | GGTGGGGAACCTGACACTTGGGCTGTGAGCCCTCTGTAAAGAGAGGCCCCCAAGTCTTCCACTG | 3375 |
| QY | 1201 | GCACCCCTCCGAAGGGGGCTGGGCTCCGATTTATTTGATGTGTGACTGTGGAAATGGGGGCAGCC | 1260 |
| Dp | 3376 | GCACCCCTCCGAAGGGGGCTGGGCTCCGATTTATTTGATGTGTGACTGTGGAAATGGGGGCAGCC | 3435 |
| QY | 1261 | AAGGGGCTGCAAAAGCTTCCCAACATGACCCCAAGCCCTCTTACAGCGGTACAGTGAAGAC | 1320 |
| Dp | 3436 | AAGGGGCTGCAAAAGCTTCCCAACATGACCCCAAGCCCTCTTACAGCGGTACAGTGAAGAC | 3495 |
| QY | 1321 | CCCAACAGTACCCCTGTGCTCTGTGAGACTATGTGGCTACGTTGGCCCCCTGTGACTGTGACGCC | 1380 |
| Dp | 3496 | CCCAACAGTACCCCTGTGCTCTGTGAGACTATGTGGCTACGTTGGCCCCCTGTGACTGTGACGCC | 3555 |
| QY | 1381 | CAGCCTGAATATGTGAACCAAGCAAGATGTTGGGCCCCCAAGCCCTTGGCCCCCGAGAGGGC | 1440 |
| Dp | 3556 | CAGCCTGAATATGTGAACCAAGCAAGATGTTGGGCCCCCAAGCCCTTGGCCCCCGAGAGGGC | 3615 |
| QY | 1441 | CCTGTGCTGTGCCCCGAACCTGTGTGTGCACTGTGAAAGGCCCAAGACTCTCTCCCCA | 1500 |
| Dp | 3616 | CCTGTGCTGTGCCCCGAACCTGTGTGTGCACTGTGAAAGGCCCAAGACTCTCTCCCCA | 3675 |
| QY | 1501 | GGGAAGATGGGGGTGTCTCAAGACGTTTTTGTGCTTTGGGGGTGCCGTGTGAAGAACCCCGAG | 1560 |

| Accession | Sequence | Position |
|-----------|---|----------|
| Dd | GGGAGGAATGGGGTCGTCAAAGACGTTTTCCTTTGGGGGTGCCGTGGAGAACCCGAG | 3735 |
| Qy | TACTTGCACCCCGAGGAGGCTGCCCTCAGGCCACCTCCTCTGCTTGACGCCA | 1620 |
| Dd | TACTTGCACCCCGAGGAGGCTGCCCTCAGGCCACCTCCTCTGCTTGACGCCA | 3735 |
| Qy | GCCTTGCACACCTCTATTACTGGGACCAAGACCCACAGACCGGGGGCTCCACCCAGC | 1680 |
| Dd | GCCTTGCACACCTCTATTACTGGGACCAAGACCCACAGACCGGGGGCTCCACCCAGC | 3855 |
| Qy | ACCTTCAAAGGACACCTACGGCAGAGAACCCAGAGTACCTGGGTCTGGACGTGCCAGTG | 1740 |
| Dd | ACCTTCAAAGGACACCTACGGCAGAGAACCCAGAGTACCTGGGTCTGGACGTGCCAGTG | 3915 |

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RESULT 30
US-10-392-113-45
Sequence 45, Application US/10392113
Publication No. US20030224993A1
GENERAL INFORMATION:
APPLICANT: Land, Hartmut
APPLICANT: Delen, Laurent
TITLE OF INVENTION: COMPOSITIONS THAT INHIBIT PROLIFERATION
TITLE OF INVENTION: OF CANCER CELLS
FILE REFERENCE: 21108.000503
CURRENT APPLICATION NUMBER: US/10/392,113
CURRENT FILING DATE: 2003-03-17
PRIOR APPLICATION NUMBER: 60/365, 078
PRIOR FILING DATE: 2002-03-15
PRIOR APPLICATION NUMBER: PCT/US01/32127
PRIOR FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 60/239, 705
PRIOR FILING DATE: 2000-10-12
NUMBER OF SEQ ID NOS: 45
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 45
LENGTH: 4530
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:/Note =
US-10-392-113-45

```

| | | | | | | | | |
|-----------------------|--------------|-------------|------------|----|--------|--------|------|---|
| Query Match | 99.9% | Score | 1738.4 | DB | 15 | Length | 4530 | |
| Best Local Similarity | 99.9% | Pred. No. 0 | | | | | | |
| Matches 1739 | Conservative | 0 | Mismatches | 1 | Indels | 0 | Gaps | 0 |

| | | | | |
|----|--|---|-------------------|------|
| Oy | AAAGGACGGGACGAGAAAGATCTCGGAAGTACACGATGGCGAGA | CTGCTGACAGAAACGAG | 60 | |
| Db | 2176 | AAGGACGGGACGAGAAAGATCTCGGAAGTACACGATGGCGAGA | CTGCTGACAGAAACGAG | 2235 |
| Oy | 61 | CTGCTGAGCGCGCTGACACCTTAGCGGAGCGATGCCAACAGCGCAGATCGGAT | CTTG | 120 |
| Db | 2236 | CTGCTGAGCGCGCTGACACCTTAGCGGAGCGATGCCAACAGCGCAGATCGGAT | CTTG | 2295 |
| Oy | 121 | AAAGAGACGGAGCTGAGGAAAGGTGAAGGTGCTTGATCTGGCGCTTTTGCCACAGTCTAC | 180 | |
| Db | 2296 | AAAGAGACGGAGCTGAGGAAAGGTGAAGGTGCTTGATCTGGCGCTTTTGCCACAGTCTAC | 2355 | |
| Oy | 181 | AAAGGCATCTGGAATCCTCTGATGGGGAGAAATGTGAAAATTCCAGTGGCCATCAAAAGTGTG | 240 | |
| Db | 2356 | AAAGGCATCTGGAATCCTCTGATGGGGAGAAATGTGAAAATTCCAGTGGCCATCAAAAGTGTG | 2415 | |
| Oy | 241 | AGGGAAGAACATCCGCCCAAGCCAAAGAAATCTTAGCGAAGCATACGTATGGCT | 300 | |
| Db | 2416 | AGGGAAGAACATCCGCCCAAGCCAAAGAAATCTTAGCGAAGCATACGTATGGCT | 2475 | |
| Oy | 301 | GGTGTGGGCTCCCATATATGTCTCCGCGCTTCTGGGGCATCTGCATGATCCACGGTGCAG | 360 | |
| Db | 2476 | GGTGTGGGCTCCCATATATGTCTCCGCGCTTCTGGGGCATCTGCATGATCCACGGTGCAG | 2535 | |

QY 361 CTGTGTGACAGCTTTATGCTTATGCTGCTCTTTAACAATGTCGGGAAAAACCGCGGA 420
DB 2536 CTGTGTGACAGCTTTATGCTTATGCTGCTCTTTAACAATGTCGGGAAAAACCGCGGA 2595
QY 421 CGCTGTGGGCTCCAGAGACTGCTGAATGCTGTATGAGATGTCAGAGGGAATGAGCTAC 480
DB 2596 CGCTGTGGGCTCCAGAGACTGCTGAATGCTGTATGAGATGTCAGAGGGAATGAGCTAC 2655
QY 481 CTGAGAGATGTCGCTCTGTAACAAGAGGACTTGGCCGCTCGGAACTGTGCTCAAGAGT 540
DB 2656 CTGAGAGATGTCGCTCTGTAACAAGAGGACTTGGCCGCTCGGAACTGTGCTCAAGAGT 2715
QY 541 CCCAACATGTCAAAATTTAACAAGATTTGGGCTGCTGCTGCTGCAATTGACAGACA 600
DB 2716 CCCAACATGTCAAAATTTAACAAGATTTGGGCTGCTGCTGCTGCAATTGACAGACA 2775
QY 601 GAGTACCATGACAGATGGGGGCAAGGTGCTCATCAAGTGAATGGGCTGAGAGTCCATCTC 660
DB 2776 GAGTACCATGACAGATGGGGGCAAGGTGCTCATCAAGTGAATGGGCTGAGAGTCCATCTC 2835
QY 661 CGCGCGGCTTCAACCAACAGATGATGTGAGATTATGGTGTGATGCTGTGGAGCTG 720
DB 2836 CGCGCGGCTTCAACCAACAGATGATGTGAGATTATGGTGTGATGCTGTGGAGCTG 2895
QY 721 ATGACTTTTGGGGCCAAACCTTACAGATGGGATCCAGCCGGGAGATCCCTGACTGCTG 780
DB 2896 ATGACTTTTGGGGCCAAACCTTACAGATGGGATCCAGCCGGGAGATCCCTGACTGCTG 2955
QY 781 GAAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGACCACTTGAATGTCTACATGATGATG 840
DB 2956 GAAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGACCACTTGAATGTCTACATGATGATG 3015
QY 841 GTCAATGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900
DB 3016 GTCAATGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3075
QY 901 TTCTCTCCGAGTGGCCAGAGGACCCCAAGCTTTTGTGTCTATCCAGATGAGACTTGGGC 960
DB 3076 TTCTCTCCGAGTGGCCAGAGGACCCCAAGCTTTTGTGTCTATCCAGATGAGACTTGGGC 3135
QY 961 CCAGCCAGTCCCTTGAACAGACCTTCTACCGGCTCACTGCTGAGAGAGCATGATGAGG 1020
DB 3136 CCAGCCAGTCCCTTGAACAGACCTTCTACCGGCTCACTGCTGAGAGAGCATGATGAGG 3195
QY 1021 GACTGTGTGATGCTGAGAGATCTGTATCCCAAGAGGAGCTTCTTCTGTCCAGACCT 1080
DB 3196 GACTGTGTGATGCTGAGAGATCTGTATCCCAAGAGGAGCTTCTTCTGTCCAGACCT 3255
QY 1081 GCCCCGGGCGCTGGGGGCAATGCTCAACAAGGCACTGATCTTACCAAGAGTGGC 1140
DB 3256 GCCCCGGGCGCTGGGGGCAATGCTCAACAAGGCACTGATCTTACCAAGAGTGGC 3315
QY 1141 GGTGGGAGCTGACACTAAGGCTGGAGCCCTCTGAAGAGAGGCCCCCAAGCTTCCA 1200
DB 3316 GGTGGGAGCTGACACTAAGGCTGGAGCCCTCTGAAGAGAGGCCCCCAAGCTTCCA 3375
QY 1201 GCAACCTCCGAAGGGGCTGCTCCGATGTATTTGATGATGATGATGATGATGATGATG 1260
DB 3376 GCAACCTCCGAAGGGGCTGCTCCGATGTATTTGATGATGATGATGATGATGATGATG 3435
QY 1261 AAGGGGCTGCAAAAGCTTCCCAACAATGACATGACCCAGCCCTCTTACAGCGGTACAGAGAC 1320
DB 3436 AAGGGGCTGCAAAAGCTTCCCAACAATGACATGACCCAGCCCTCTTACAGCGGTACAGAGAC 3495
QY 1321 CCCACAGTACCCCTGCTGAGACTGATGAGTACGTTGGCCCCCTGACCTTGACGCCCC 1380
DB 3496 CCCACAGTACCCCTGCTGAGACTGATGAGTACGTTGGCCCCCTGACCTTGACGCCCC 3555
QY 1381 CAGGCTGAATATGTGAACAAGCCAGATGTTGAGCCCAAGCCCTTGTGCCCCGAGAGGAC 1440
DB 3556 CAGGCTGAATATGTGAACAAGCCAGATGTTGAGCCCAAGCCCTTGTGCCCCGAGAGGAC 3615
QY 1441 CTCTGCTGTGCTGCCGACCTGCTGTGTGCACTGTGAAAAGGCCCAAGACTTCTCCCCA 1500

DB 3616 CTTCTGCTGTGCTGCCGACCTGCTGTGTGCACTGTGAAAAGGCCCAAGACTTCTCCCCA 3675
QY 1501 GGGAGAAATGGGTCGTCAAAAGACTTTTGGCTTTGGGGGTCCGTGAGAAACCCGAG 1560
DB 3676 GGGAGAAATGGGTCGTCAAAAGACTTTTGGCTTTGGGGGTCCGTGAGAAACCCGAG 3735
QY 1561 TACTTGAACCCCAAGAGAGAGTCCCTCAGCCCCACCTTCTCTGCTTCAAGCCCA 1620
DB 3736 TACTTGAACCCCAAGAGAGAGTCCCTCAGCCCCACCTTCTCTGCTTCAAGCCCA 3795
QY 1621 GCCTTGACAACTCTATTACTGAGGACCAAGGACCAAGAGGGGGGCTCCAGCCAGC 1680
DB 3796 GCCTTGACAACTCTATTACTGAGGACCAAGGACCAAGAGGGGGGCTCCAGCCAGC 3855
QY 1681 ACCTTAAAGGAGCACTTACCGGACGAGAAACCAAGATCTGGGTCTGACGTGCAAGT 1740
DB 3856 ACCTTAAAGGAGCACTTACCGGACGAGAAACCAAGATCTGGGTCTGACGTGCAAGT 3915

RESULT 31
US-10-159-563-208
; Sequence 208, Application US/10159563
; Publication No. US20040009154A1
; GENERAL INFORMATION:
; APPLICANT: Khan, Javed
; APPLICANT: Ringner, Markus
; APPLICANT: Petersen, Carsten
; APPLICANT: Melzer, Paul
; TITLE OF INVENTION: SELECTIONS OF GENES AND METHODS OF USING THE SAME FOR
; TITLE OF INVENTION: DIAGNOSIS AND FOR TREATING THE THERAPY OF SELECT CANCERS
; FILE REFERENCE: 11613.560511
; CURRENT APPLICATION NUMBER: US/10/159,563
; CURRENT FILING DATE: 2002-12-09
; PRIOR APPLICATION NUMBER: US 10/133,937
; PRIOR FILING DATE: 2002-04-25
; NUMBER OF SEQ ID NOS: 444
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 208
; LENGTH: 4530
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-159-563-208

Query Match 99.9%; Score 1738.4; DB 16; Length 4530;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AACGACGCGAGACGAAAGATCCGGAAGTACACAGATCGGAGACTGCTGACGAAACGAG 60
DB 2176 AACGACGCGAGACGAAAGATCCGGAAGTACACAGATCGGAGACTGCTGACGAAACGAG 2235
QY 61 CTGTGTGAGCGCTGACACTTACCGAGCGATGCCCAACAGGCGCAGATGCGGATCTG 120
DB 2236 CTGTGTGAGCGCTGACACTTACCGAGCGATGCCCAACAGGCGCAGATGCGGATCTG 2295
QY 121 AAAAGAGCGAGCTGAGAAAGTGAAGGTGCTTGAATCTGGGCTTTTGGCACAGTCTAC 180
DB 2296 AAAAGAGCGAGCTGAGAAAGTGAAGGTGCTTGAATCTGGGCTTTTGGCACAGTCTAC 2355
QY 181 AAGGGCTCTGTGATCTCTGATGTGGGAGAAATGTGAAAATTCACATGGCCATCAAAAGCTTG 240
DB 2356 AAGGGCTCTGTGATCTCTGATGTGGGAGAAATGTGAAAATTCACATGGCCATCAAAAGCTTG 2415
QY 241 AAGGAAACACATCCCAAGGCAACAAAGAAATCTTAGACGAAAGCATAGTATGAGT 300
DB 2416 AAGGAAACACATCCCAAGGCAACAAAGAAATCTTAGACGAAAGCATAGTATGAGT 2475
QY 301 GGTGTGGGCTCCCATATGTCTCCGCTTCTGAGGCACTGCTGACATCACGCTGACG 360
DB 2476 GGTGTGGGCTCCCATATGTCTCCGCTTCTGAGGCACTGCTGACATCACGCTGACG 2535
QY 361 CTGTGTGACAGCTTATGCTTATGCTGCTCTTGTAGACATGTCGGGAAAAACCGCGGA 420

Db 2536 CTGTGACACAGCTTATGCTCTATGCTGCTCTTGAACATATGCTCCGGAACCCGGA 2595
Qy 421 CGCTGGGCTCCACAGACTGCTGAACCTGTATGAGATGTCAGAGGGATGAGCTAC 480
Db 2596 CGCTGGGCTCCACAGACTGCTGAACCTGTATGAGATGTCAGAGGGATGAGCTAC 2655
Qy 481 CTGAGAGATGTGCGGCTGTACACAGAGACTTGGCCGCTCGGAACGTGCTGTAAGAGT 540
Db 2656 CTGAGAGATGTGCGGCTGTACACAGAGACTTGGCCGCTCGGAACGTGCTGTAAGAGT 2715
Qy 541 CCCAACATGTCAAAATTTACAGACTTGGGCTGCTGCTGCTGAGACTTGAAGACA 600
Db 2716 CCCAACATGTCAAAATTTACAGACTTGGGCTGCTGCTGCTGAGACTTGAAGACA 2775
Qy 601 GAGTACATGACAGATGGGGGCAAGGTCCTCATCAAGTGAAGGCTGAGATCCATTCTC 660
Db 2776 GAGTACATGACAGATGGGGGCAAGGTCCTCATCAAGTGAAGGCTGAGATCCATTCTC 2835
Qy 661 CGCCGGGCTTCAACCAACAGATGATGTGAGATTATGCTGACTGTGTGGAGCTG 720
Db 2836 CGCCGGGCTTCAACCAACAGATGATGTGAGATTATGCTGACTGTGTGGAGCTG 2895
Qy 721 ATGACTTTTGGGGCAAACTTAAAGATGGATCCAGCCGCGAGATCCCTGACTGCTG 780
Db 2896 ATGACTTTTGGGGCAAACTTAAAGATGGATCCAGCCGCGAGATCCCTGACTGCTG 2955
Qy 781 GAAAGGGGAGGGGCTGCCAGCCGCTCATGCAACATGATGTCTACATGATGATG 840
Db 2956 GAAAGGGGAGGGGCTGCCAGCCGCTCATGCAACATGATGTCTACATGATGATG 3015
Qy 841 GTCAAAATGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900
Db 3016 GTCAAAATGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3075
Qy 901 TTCTCCGCGATGCGCAGAGAACCCGAGCGCTTTGTGTATCCAGAAATGAGACTTGGGC 960
Db 3076 TTCTCCGCGATGCGCAGAGAACCCGAGCGCTTTGTGTATCCAGAAATGAGACTTGGGC 3135
Qy 961 CAGACGATGCTCTTGAACAGACCTTCTACCGCTCATGCTGAGAGAGATGATGAGG 1020
Db 3136 CAGACGATGCTCTTGAACAGACCTTCTACCGCTCATGCTGAGAGAGATGATGAGG 3195
Qy 1021 GACTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1080
Db 3196 GACTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3255
Qy 1081 GCCCGGGGCTGCGGGGCTGATGATGATGATGATGATGATGATGATGATGATGATG 1140
Db 3256 GCCCGGGGCTGCGGGGCTGATGATGATGATGATGATGATGATGATGATGATGATG 3315
Qy 1141 GGTGGGGGCTGACATGAGGGCTGAGAGCCCTGGAAGAGAGAGAGAGAGAGAGAG 1200
Db 3316 GGTGGGGGCTGACATGAGGGCTGAGAGCCCTGGAAGAGAGAGAGAGAGAGAGAG 3375
Qy 1201 GCAACCTCCAGAAAGGGGCTGCTGATGATGATGATGATGATGATGATGATGATGATG 1260
Db 3376 GCAACCTCCAGAAAGGGGCTGCTGATGATGATGATGATGATGATGATGATGATGATG 3435
Qy 1261 AAGGGGCTGCAAAAGCTCCCAACATGACCCCAAGCCCTTACAGCGGTACAGTGAAG 1320
Db 3436 AAGGGGCTGCAAAAGCTCCCAACATGACCCCAAGCCCTTACAGCGGTACAGTGAAG 3495
Qy 1321 CCCACAGTACCCCTGCTGAGACTGATGATGATGATGATGATGATGATGATGATGATG 1380
Db 3496 CCCACAGTACCCCTGCTGAGACTGATGATGATGATGATGATGATGATGATGATGATG 3555
Qy 1381 CAGCCTGAATATGTAACCAAGCAAGATGTTGCGGCCAGGCCCTTGTGCCCAGAGAGG 1440
Db 3556 CAGCCTGAATATGTAACCAAGCAAGATGTTGCGGCCAGGCCCTTGTGCCCAGAGAGG 3615
Qy 1441 CTTGTGCTGTGCTCCGACCTGTGATGCACTCTGGAAGAGCCCAAGACTCTTCTCCCA 1500

Db 3616 CTTGTGCTGTGCTCCGACCTGCTGTGCACTCTGAAAGAGCCCAAGACTCTTCTCCCA 3675
Qy 1501 GGGAGAGATGGGGTCTCAAAAGAGCTTTTGTCTTTGGGGGGTCCGTGAGAACCCGAG 1560
Db 3676 GGGAGAGATGGGGTCTCAAAAGAGCTTTTGTCTTTGGGGGGTCCGTGAGAACCCGAG 3735
Qy 1561 TACTTGAACCCCGAGGAGAGAGCTGCTTCAAGCCCAACCTCTCTGCTTCAAGCTCA 1620
Db 3736 TACTTGAACCCCGAGGAGAGAGCTGCTTCAAGCCCAACCTCTCTGCTTCAAGCTCA 3795
Qy 1621 GCCTTGAACCACTTATTAATGAGACAGAACCCACAGAGCGGGGGGCTTCAAGCTCA 1680
Db 3796 GCCTTGAACCACTTATTAATGAGACAGAACCCACAGAGCGGGGGGCTTCAAGCTCA 3855
Qy 1681 ACCTTCAAGGAGACCTTACGAGAGAACCCAGAGTACCTGAGTCTGAGCTGCAAGT 1740
Db 3856 ACCTTCAAGGAGACCTTACGAGAGAACCCAGAGTACCTGAGTCTGAGCTGCAAGT 3915

RESULT 32
US-10-435-696-10
Sequence 10. Application US/10435696
Publication No. US20040018525A1
GENERAL INFORMATION:
APPLICANT: Wirtz, Ralph
APPLICANT: Munnes, Marc
APPLICANT: Kallabis, Harald
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE PREDICTION, DIAGNOSIS, PROGNOSIS
FILE REFERENCE: Lea 36 108
CURRENT APPLICATION NUMBER: US/10/435,696
CURRENT FILING DATE: 2003-05-09
PRIOR APPLICATION NUMBER: EP03003112.4
PRIOR FILING DATE: 2003-02-13
PRIOR APPLICATION NUMBER: EP02010291.9
PRIOR FILING DATE: 2002-05-21
NUMBER OF SEQ ID NOS: 314
SOFTWARE: PatentIn version 3.1
SEQ ID NO 10
LENGTH: 4530
TYPE: DNA
ORGANISM: Homo sapiens
US-10-435-696-10

Query Match 99.9%; Score 1738.4; DB 16; Length 4530;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 AAGCGACGGCAGAGAGATCCGAAAGTACACAGATGCGAGACTGTGACAGAAACGAG 60
Db 2176 AAGCGACGGCAGAGAGATCCGAAAGTACACAGATGCGAGACTGTGACAGAAACGAG 2235
Qy 61 CTGTGAGCGCTGACACCTTACCGAGCGATGCCCAACGAGCGAGATGCCGATCTTG 120
Db 2236 CTGTGAGCGCTGACACCTTACCGAGCGATGCCCAACGAGCGAGATGCCGATCTTG 2295
Qy 121 AAGAGACGGAGCTGAGAGAGTGAAGTCTGATGCTGAGCTTGGCCCTTTGGCAGACTAC 180
Db 2296 AAGAGACGGAGCTGAGAGAGTGAAGTCTGATGCTGAGCTTGGCCCTTTGGCAGACTAC 2355
Qy 181 AAGGCACTGATCTCTGATGAGGAGAAATGTGAATTCAGATGCGCATCAAAAGTTTG 240
Db 2356 AAGGCACTGATCTCTGATGAGGAGAAATGTGAATTCAGATGCGCATCAAAAGTTTG 2415
Qy 241 AAGGAAACACATCTCCCAAGCCAAACAAAGAAATCTTACAGAGCATACGTGATGGCT 300
Db 2416 AAGGAAACACATCTCCCAAGCCAAACAAAGAAATCTTACAGAGCATACGTGATGGCT 300
Qy 301 GGTGTGGGCTCCCATATGCTCCGCTTGTGGGATCTGCAATCTGCAATGAGTTCAG 360
Db 2476 GGTGTGGGCTCCCATATGCTCCGCTTGTGGGATCTGCAATCTGCAATGAGTTCAG 3615
Qy 361 CTGTGACACAGCTTATGCTGCTGCTCTTGAACCATGTCCGGGAAACCCGGA 420

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Db 2536 CTGTGACACAGCTTATGCCCCCTATGCTGCTCTTATACCATGTCGGGAAAAACCGCGGA 2595
Qy 421 CGCTGGGCTCCCAAGACCTGCTGAACTGCTATATGCAATTCGCAAGGGAGTGAAGCTAC 480
Db 2596 CGCTGGGCTCCCAAGACCTGCTGAACTGCTATATGCAATTCGCAAGGGAGTGAAGCTAC 2655
Qy 481 CTGAGAGATGCGGCTGCTACACAGGGACTTGGCCGCTCGGAACTGCTCAAGAGT 540
Db 2656 CTGAGAGATGCGGCTGCTACACAGGGACTTGGCCGCTCGGAACTGCTCAAGAGT 2715
Qy 541 CCCAACCATGTCAAAATTATACAGATTTGGGCTGGCTGGCTGCTGACATTGACGAGACA 600
Db 2716 CCCAACCATGTCAAAATTATACAGATTTGGGCTGGCTGGCTGCTGACATTGACGAGACA 2775
Qy 601 GAGTACCATGCAATGCGGGGCAAGGTGCCATCAAGTGGATGGCGCTGGAGTCCATTCTC 660
Db 2776 GAGTACCATGCAATGCGGGGCAAGGTGCCATCAAGTGGATGGCGCTGGAGTCCATTCTC 2835
Qy 661 CGCGGCGGTTCAACCCACAGAGTATGTGTGAGTTATGATGATGATGATGATGATGATGATG 720
Db 2836 CGCGGCGGTTCAACCCACAGAGTATGTGTGAGTTATGATGATGATGATGATGATGATGATG 2895
Qy 721 ATGACTTTTGGGCGCAAACTTACGATGGATCCAGCCCGGAGATCCCTGACCTGCTG 780
Db 2896 ATGACTTTTGGGCGCAAACTTACGATGGATCCAGCCCGGAGATCCCTGACCTGCTG 2955
Qy 781 GAAAGGGGAGCGGCTGCGCCGAGCCCGCCATCTGCAACATGATGCTCAATGATATG 840
Db 2956 GAAAGGGGAGCGGCTGCGCCGAGCCCGCCATCTGCAACATGATGCTCAATGATATG 3015
Qy 841 GTCAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900
Db 3016 GTCAATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3075
Qy 901 TTCTCCGATGCGCAGAGAACCCCGACGCTTTGTGTATCCAGAAATGAGACCTTGGGC 960
Db 3076 TTCTCCGATGCGCAGAGAACCCCGACGCTTTGTGTATCCAGAAATGAGACCTTGGGC 3135
Qy 961 CCGAGCAGTCCCTTGGACAGACCTTCTACCGCTCATCTGCTGGAGAGCATGATGATGGG 1020
Db 3136 CCGAGCAGTCCCTTGGACAGACCTTCTACCGCTCATCTGCTGGAGAGCATGATGATGGG 3195
Qy 1021 GACCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1080
Db 3196 GACCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3255
Qy 1081 GCCCGGCGCTGGGGGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1140
Db 3256 GCCCGGCGCTGGGGGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3315
Qy 1141 GGTGGGAGACCTGACATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1200
Db 3316 GGTGGGAGACCTGACATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3375
Qy 1201 GCACTCTCCGAAGGGGCTGCTCCGATGATGATGATGATGATGATGATGATGATGATGATG 1260
Db 3376 GCACTCTCCGAAGGGGCTGCTCCGATGATGATGATGATGATGATGATGATGATGATGATG 3435
Qy 1261 AAGGGGCTGCAAAAGCTTCCCAACATGACCCAGCCCTTACAGCGGTACAGTGAAGAC 1320
Db 3436 AAGGGGCTGCAAAAGCTTCCCAACATGACCCAGCCCTTACAGCGGTACAGTGAAGAC 3495
Qy 1321 CCCACATGACCCCGCTTCTGACATGATGATGATGATGATGATGATGATGATGATGATG 1380
Db 3496 CCCACATGACCCCGCTTCTGACATGATGATGATGATGATGATGATGATGATGATGATG 3555
Qy 1381 CAGCTGAAATATGTAACACAGCAGATGTTGGGCCAGCCCTTCCGCTCCGAGAGGGC 1440
Db 3556 CAGCTGAAATATGTAACACAGCAGATGTTGGGCCAGCCCTTCCGCTCCGAGAGGGC 3615
Qy 1441 CCTGTGCTGTGCTCCGACCTGTGTGCTCACTGTGAAGGCCCAAGACTTCTCTCCCA 1500
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Db 3616 CCTGTGCTGTGCTCCGACCTGCTGTGCTCACTGTGAAGGGCCAAAGACTTCTCTCCCA 3675
Qy 1501 GGGAGAAATGGGTCGTCAAAAGACGTTTTTCTTTGGGGGTCCGTGAGAAACCCCGAG 1560
Db 3676 GGGAGAAATGGGTCGTCAAAAGACGTTTTTCTTTGGGGGTCCGTGAGAAACCCCGAG 3735
Qy 1561 TACTTGAACACCCAGGAGAGAGTCCCTCAGCCCCACCTTCTCTGCTTCAAGCCCA 1620
Db 3736 TACTTGAACACCCAGGAGAGAGTCCCTCAGCCCCACCTTCTCTGCTTCAAGCCCA 3795
Qy 1621 GCCTTGAACACCTTATTTATCTGGAACAGAGACCCACAGAGGGGGGCTCCACCCAGC 1680
Db 3796 GCCTTGAACACCTTATTTATCTGGAACAGAGACCCACAGAGGGGGGCTCCACCCAGC 3855
Qy 1681 ACCTTCAAGAGGACACCTACGAGAGAAACCAAGATGCTGGGTCTGACGTCAGTG 1740
Db 3856 ACCTTCAAGAGGACACCTACGAGAGAAACCAAGATGCTGGGTCTGACGTCAGTG 3915
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RESULT 33
US-10-734-564-59
; Sequence 59, Application US/10734564
; Publication No. US20040157278A1
; GENERAL INFORMATION:
; APPLICANT: Christopher C BURGESS et al
; TITLE OF INVENTION: Detection Methods Using TIME1
; FILE REFERENCE: 1657/2012
; CURRENT APPLICATION NUMBER: US/10/734,564
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 59
; LENGTH: 4530
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-734-564-59
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Query Match 99.9%; Score 1738.4; DB 17; Length 4530;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Qy 1 AAGGACGCGACGAAAGATCCGGAATACACGATGCGGAGACTGCTGCAGAAACCGAG 60
Db 2176 AAGGACGCGAGAGAGAAATCCGGAATACACGATGCGGAGACTGCTGCAGAAACCGAG 2235
Qy 61 CTGTGAGGCGGCTGACACCTAGCGAGCGATGCCAACAGGGCGAGATGCGGATCTTG 120
Db 2236 CTGTGAGGCGGCTGACACCTAGCGAGCGATGCCAACAGGGCGAGATGCGGATCTTG 2295
Qy 121 AAGAGACGAGGCTGAGAAAGTGAAGTCTTGATCTGGCGCTTTTGGACAGTCTAC 180
Db 2296 AAGAGACGAGGCTGAGAAAGTGAAGTCTTGATCTGGCGCTTTTGGACAGTCTAC 2355
Qy 181 AAGGCACTTGTGATCCCTGATGGGAGAAATGTGAATTTCAAGTGGCCATCAAGTGTG 240
Db 2356 AAGGCACTTGTGATCCCTGATGGGAGAAATGTGAATTTCAAGTGGCCATCAAGTGTG 2415
Qy 241 AAGGAAACCATCCGCCCAAGCCAAACAAAGAAATCTTGAACGAAGCATACGTATGGCT 300
Db 2416 AAGGAAACCATCCGCCCAAGCCCAACAAAGAAATCTTGAACGAAGCATACGTATGGCT 300
Qy 301 GGTGTGGGCTTCCCATATGCTCTCCGCTTCTGGGCACTTGGCTGACATCCAGGTGAG 360
Db 2476 GGTGTGGGCTTCCCATATGCTCTCCGCTTCTGGGCACTTGGCTGACATCCAGGTGAG 360
Qy 361 CTGTGACACAGCTTATGCTTATGCTGCTCTTGAACATGTCGGGAAAAACCGCGGA 420
Db 2536 CTGTGACACAGCTTATGCTTATGCTGCTCTTGAACATGTCGGGAAAAACCGCGGA 420
Qy 421 CGCTGGGCTCCCAAGACCTGCTGAACGATGATGATGATGATGATGATGATGATGATGATG 480
Db 2596 CGCTGGGCTCCCAAGACCTGCTGAACGATGATGATGATGATGATGATGATGATGATGATG 480
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481 CTGAGAGATGTGGGCTGTCACAGAGGACTTGGCCGCTGGAAAGTGTCTCAAGT 540
Db 2656 CTGAGAGATGTGGGCTGTCACAGAGGACTTGGCCGCTGGAAAGTGTCTCAAGT 2715
Qy 541 CCAACCATGTCAAAATTACAGACTTGGGCTGGGCTGGGCTGGGCAATTGACAGACA 600
Db 2716 CCAACCATGTCAAAATTACAGACTTGGGCTGGGCTGGGCTGGGCAATTGACAGACA 2775
Qy 601 GAGTACCATGACAGATGGGGGCAAGGTGCCATCAAGTGAATGGGCTGGAGTCCATTCTC 660
Db 2776 GAGTACCATGACAGATGGGGGCAAGGTGCCATCAAGTGAATGGGCTGGAGTCCATTCTC 2835
Qy 661 CGCCGGGCTTACCCACAGAGTGTGTGAGTTATGTGTGACTGTGTGGAGCTG 720
Db 2836 CGCCGGGCTTACCCACAGAGTGTGTGAGTTATGTGTGACTGTGTGGAGCTG 2895
Qy 721 ATGACTTTTGGGGCAAACTTACAGATGGATCCACCCGGGAGATCCCTGACCTGCTG 780
Db 2896 ATGACTTTTGGGGCAAACTTACAGATGGATCCACCCGGGAGATCCCTGACCTGCTG 2955
Qy 781 GAAAAGGGGAGGGGCTGCCAGCCGCCATCTGACCAATTGATGTCTACATGATGATG 840
Db 2956 GAAAAGGGGAGGGGCTGCCAGCCGCCATCTGACCAATTGATGTCTACATGATGATG 3015
Qy 841 GTCAATGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 900
Db 3016 GTCAATGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3075
Qy 901 TTCTCCGAGTGGGCAAGGGGACCCCGAGGCTTTGTGTGATCCAGATGAGAGCTTGGG 960
Db 3076 TTCTCCGAGTGGGCAAGGGGACCCCGAGGCTTTGTGTGATCCAGATGAGAGCTTGGG 3135
Qy 961 CCAGCCAGTCCCTTGGACAGACCTTCTACCGCTCACTGCTGAGAGAGATGACATGGG 1020
Db 3136 CCAGCCAGTCCCTTGGACAGACCTTCTACCGCTCACTGCTGAGAGAGATGACATGGG 3195
Qy 1021 GACTGTGTGATGATGAGAGATGATGATGATGATGATGATGATGATGATGATGATG 1080
Db 3196 GACTGTGTGATGATGAGAGATGATGATGATGATGATGATGATGATGATGATGATG 3255
Qy 1081 GGGGCGGGGCTGGGGGAGTGTCCAGAGGACCCGAGCTCATTTACAGAGAGTGGC 1140
Db 3256 GGGGCGGGGCTGGGGGAGTGTCCAGAGGACCCGAGCTCATTTACAGAGAGTGGC 3315
Qy 1141 GGTGGGAGCTGACACTAGAGGCTGAGCCCTCTGAAGAGAGGAGCCGAGTCTCCACTG 1200
Db 3316 GGTGGGAGCTGACACTAGAGGCTGAGCCCTCTGAAGAGAGGAGCCGAGTCTCCACTG 3375
Qy 1201 GCACTCTCCGAGAGGGGCTGGCTCGATGATTTGATGATGATGATGATGATGATGATG 1260
Db 3376 GCACTCTCCGAGAGGGGCTGGCTCGATGATTTGATGATGATGATGATGATGATGATG 3435
Qy 1261 AAGGGGCTGCAAGGCTTCCCAACATGACCCAGGCTTCAAGGCTGACAGTGAAGAC 1320
Db 3436 AAGGGGCTGCAAGGCTTCCCAACATGACCCAGGCTTCAAGGCTGACAGTGAAGAC 3495
Qy 1321 CCAACAGTACCCCTGCTGCTGAGACTGATGAGTGAAGTGGGCTGGGCTGGGCTGGG 1380
Db 3496 CCAACAGTACCCCTGCTGCTGAGACTGATGAGTGAAGTGGGCTGGGCTGGGCTGGG 3555
Qy 1381 CAGCTGGAATATGTAACCAAGAGATGTTGGGAGCCGCTTGGCCGAGAGAGG 1440
Db 3556 CAGCTGGAATATGTAACCAAGAGATGTTGGGAGCCGCTTGGCCGAGAGAGG 3615
Qy 1441 CCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1500
Db 3616 CCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3675
Qy 1501 GGAAGAAATGGGGTGTCAAAAGAGCTTTTGGCTTTGGGGGGTGGCGGAGAGAGAG 1560
Db 3676 GGAAGAAATGGGGTGTCAAAAGAGCTTTTGGCTTTGGGGGGTGGCGGAGAGAGAG 3735
Qy 1561 TACTTGACACCCAGGAGAGAGTGGCCCTCAGCCCACTCTCTGCTTCAAGCCA 1620

Db 3736 TACTTGACACCCAGGAGAGAGTGGCCCTCAGCCCACTCTCTGCTTCAAGCCA 3795
Qy 1621 GCTTGACACCACTTATTAATCTGGAGACAGAGCCACAGAGGGGGGCTCCACCAGC 1680
Db 3796 GCTTGACACCACTTATTAATCTGGAGACAGAGCCACAGAGGGGGGCTCCACCAGC 3855
Qy 1681 ACCTTCAAGGAGACCTTACGAGGAGAGAACCCAGAGTACTGGGCTTGAAGTGGCAGTG 1740
Db 3856 ACCTTCAAGGAGACCTTACGAGGAGAGAACCCAGAGTACTGGGCTTGAAGTGGCAGTG 3915

RESULT 34
US-10-657-022-91
; Sequence 91, Application US/10657022
; Publication No. US20040180354A1
; GENERAL INFORMATION:
; APPLICANT: Simard, John J. L.
; APPLICANT: Diamond, David C.
; APPLICANT: Liu, Liping
; APPLICANT: Liu, Zheng
; TITLE OF INVENTION: EPIPOPE SEQUENCES
; FILE REFERENCE: MANUK.032A
; CURRENT APPLICATION NUMBER: US/10/657,022
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: 60/409123
; PRIOR FILING DATE: 2002-09-06
; NUMBER OF SEQ ID NOS: 610
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 91
; LENGTH: 4530
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-657-022-91

Query Match 99.9%; Score 1738.4; DB 17; Length 4530;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAGCGACGGGAGGAGAGATCCGGAAGTACAGATGCGGAGTCTGCGAGAAAGCGAG 60
Db 2176 AAGCGACGGGAGGAGAGATCCGGAAGTACAGATGCGGAGTCTGCGAGAAAGCGAG 2235
Qy 61 CTGTGGAGCGCGTGAACCTTACGAGAGCATGCCAAACGAGCGAGATGCGATCTG 120
Db 2236 CTGTGGAGCGCGTGAACCTTACGAGAGCATGCCAAACGAGCGAGATGCGATCTG 2295
Qy 121 AAGAGACGAGCTGAGAGAGGTTGAAGTGTGATCTGGCGCTTTGGCACAGTCTAC 180
Db 2296 AAGAGACGAGCTGAGAGAGGTTGAAGTGTGATCTGGCGCTTTGGCACAGTCTAC 2355
Qy 181 AAGGCAATCTGATCCCTGATGGGAGAGATGTGAAATTCAGTGGCCATCAAGTGTG 240
Db 2356 AAGGCAATCTGATCCCTGATGGGAGAGATGTGAAATTCAGTGGCCATCAAGTGTG 2415
Qy 241 AAGGAAACAATCCCCCAAGGCAACAAGAAATCTTGAACGAGCATTCGTGATGGCT 300
Db 2416 AAGGAAACAATCCCCCAAGGCAACAAGAAATCTTGAACGAGCATTCGTGATGGCT 2475
Qy 301 GGTGTGGGCTCCCATATGTCTCCGCTTTGGGAGTGTGCTGACATTCAGGCTGACG 360
Db 2476 GGTGTGGGCTCCCATATGTCTCCGCTTTGGGAGTGTGCTGACATTCAGGCTGACG 2535
Qy 361 CTGTGACACAGTTATGCTTATGCTGCTGCTTGAACCATTCGCGGAGAAACCGCGGA 420
Db 2536 CTGTGACACAGTTATGCTTATGCTGCTGCTTGAACCATTCGCGGAGAAACCGCGGA 2595
Qy 421 CGCTGGGCTCCAGGAGACCTGCTGAACCTGTGATGATGATGATGATGATGATGATGATG 480
Db 2596 CGCTGGGCTCCAGGAGACCTGCTGAACCTGTGATGATGATGATGATGATGATGATGATG 2655
Qy 481 CTGAGAGATGTGGGCTGTGACAGAGACTTGGCGCTCGAAACGTGTGCTCAAGAGT 540

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Db 2656 CTGAGAGATGTGCGGCTCGTACACAGAGACTTGGCCGCTCGAACCCTGCTGTCAAGAGT 2715
Qy 541 CCCAACCATGTCAAAATTTACAGACTTGGGAGTGGCTGGCTGGTGGACATTTGACAGAGCA 600
Db 2716 CCCAACCATGTCAAAATTTACAGACTTGGGAGTGGCTGGCTGGTGGACATTTGACAGAGCA 2775
Qy 601 GAGTACCATGTGAGATGGGGGCAAGGTGGCCATCAAGTGAATGGCGCTGAGATTCATTCTC 660
Db 2776 GAGTACCATGTGAGATGGGGGCAAGGTGGCCATCAAGTGAATGGCGCTGAGATTCATTCTC 2835
Qy 661 CCGCGGCGGTTTACCCACCAAGATGATGTGTGAGTTATGTGTGATCTGTGTGGAGCTG 720
Db 2836 CCGCGGCGGTTTACCCACCAAGATGATGTGTGAGTTATGTGTGATCTGTGTGGAGCTG 2895
Qy 721 ATGACTTTTGGGGGCAAACTTACAGATGGGATCCAGCCGGGAGATCCCTGACTGCTG 780
Db 2896 ATGACTTTTGGGGGCAAACTTACAGATGGGATCCAGCCGGGAGATCCCTGACTGCTG 2955
Qy 781 GAAAGGGGGAGCGGCTGCCACGCCCCCATCTGACCAATTTGATGTCATCATGATCATG 840
Db 2956 GAAAGGGGGAGCGGCTGCCACGCCCCCATCTGACCAATTTGATGTCATCATGATCATG 3015
Qy 841 GTCAAAATTTGTGATGATTTGACTGTGATGTGGGCAAGATTCGGGAGATTTGTGTCTGAA 900
Db 3016 GTCAAAATTTGTGATGATTTGACTGTGATGTGGGCAAGATTCGGGAGATTTGTGTCTGAA 3075
Qy 901 TTCTCCCGATGGCCAGGAGACCCCGAGCGCTTGTGTGATCCAGATGAGACTTGGG 960
Db 3076 TTCTCCCGATGGCCAGGAGACCCCGAGCGCTTGTGTGATCCAGATGAGACTTGGG 3135
Qy 961 CCAGCCAGTCCCTTGGACAGACCTTCTACCGCTCACTGCTGAGAGACGATGATGGG 1020
Db 3136 CCAGCCAGTCCCTTGGACAGACCTTCTACCGCTCACTGCTGAGAGACGATGATGGG 3195
Qy 1021 GACTGTGTGATGCTGAGAGATCTGTGATACCCACAGAGGCTTCTTGTCTCAGACCT 1080
Db 3196 GACTGTGTGATGCTGAGAGATCTGTGATACCCACAGAGGCTTCTTGTCTCAGACCT 3255
Qy 1081 GCCCGGGGCTGTGGGGGCAATGTCTCAACACAGGACCGGAGCTCATCTACAGAGATGGC 1140
Db 3256 GCCCGGGGCTGTGGGGGCAATGTCTCAACACAGGACCGGAGCTCATCTACAGAGATGGC 3315
Qy 1141 GGTGGGGACCTGACACTGAGGCTGAGACCTCTGAAGAGAGGCCCCCAGGTCTCACTG 1200
Db 3316 GGTGGGGACCTGACACTGAGGCTGAGACCTCTGAAGAGAGGCCCCCAGGTCTCACTG 3375
Qy 1201 GCACTCTCCGAAAGGGGCTGGCTCCGATGTATTTGATGTGACCTGTGGAAATGGGGGCAGCC 1260
Db 3376 GCACTCTCCGAAAGGGGCTGGCTCCGATGTATTTGATGTGACCTGTGGAAATGGGGGCAGCC 3435
Qy 1261 AAGGGGCTGCAAAAGCTCCCAACACATGACCCAGCCCTCTACAGCGGTACATGAGAGAC 1320
Db 3436 AAGGGGCTGCAAAAGCTCCCAACACATGACCCAGCCCTCTACAGCGGTACATGAGAGAC 3495
Qy 1321 CCCACAGTACCCCTGCTCTGAGACTGATGAGTTCGTTGCCCCCTGACCTGACGCCCC 1380
Db 3496 CCCACAGTACCCCTGCTCTGAGACTGATGAGTTCGTTGCCCCCTGACCTGACGCCCC 3555
Qy 1381 CAGCTGGAATATGTGAACCAAGCAGATGTTCGGCCCCCAGGCCCTTTCGCCCGAGAGGGC 1440
Db 3556 CAGCTGGAATATGTGAACCAAGCAGATGTTCGGCCCCCAGGCCCTTTCGCCCGAGAGGGC 3615
Qy 1441 CCTCTGCTGCTGCCGCACTGTGTGATGCACTGTGGAAGAGGCCAAGACTCTCTCCCCA 1500
Db 3616 CCTCTGCTGCTGCCGCACTGTGTGATGCACTGTGGAAGAGGCCAAGACTCTCTCCCCA 3675
Qy 1501 GGGAGAAATGGGGTCTGTCAAAAGAGCTTTTTCCTTTGGGGGTGCGGTGAGAAACCCCGAG 1560
Db 3676 GGGAGAAATGGGGTCTGTCAAAAGAGCTTTTTCCTTTGGGGGTGCGGTGAGAAACCCCGAG 3735
Qy 1561 TACTTGACACCCCAAGGAGAGAGTCCCTCAGACCCCACTCTCTCTGCTTCAAGCCA 1620
Db 3736 TACTTGACACCCCAAGGAGAGAGTCCCTCAGACCCCACTCTCTCTCTGCTTCAAGCCA 3795
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Qy 1621 GCCTTGACACACTCTATTACTGGGACAGAGCCCAAGAGCGGGGCTCCACCACG 1680
Db 3796 GCCTTGACACACTCTATTACTGGGACAGAGCCCAAGAGCGGGGCTCCACCACG 3855
Qy 1681 ACCTTCAAGGAGACACTTCGGCAGAGAACCCAGAGTACTCTGGGTCTGACGTCGACGTG 1740
Db 3856 ACCTTCAAGGAGACACTTCGGCAGAGAACCCAGAGTACTCTGGGTCTGACGTCGACGTG 3915
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RESULT 35

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US-10-198-846-10896
; Sequence 10896, Application US/10198846
; Publication No. US20030099974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; PRIOR FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10896
; LENGTH: 4642
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 3, 4, 4635, 4636, 4637, 4638, 4639, 4640, 4641, 4642
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-10896
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Query Match 99.9%; Score 1738.4; DB 14; Length 4642;

Best Local Similarity 99.9%; Pred. No. 0;

Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy 1 AAGCGACGGCAGACAGAAATCCGGAAGTACACGATCGGAGACTGCTGACAGAAACGAG 60
Db 2176 AAGCGACGGCAGACAGAAATCCGGAAGTACACGATCGGAGACTGCTGACAGAAACGAG 2235
Qy 61 CTGTGTGAGACCGCTGACACTTACCGGAGGAGATGCCAACAGCGGAGATGCCGATCTCG 120
Db 2236 CTGTGTGAGACCGCTGACACTTACCGGAGGAGATGCCAACAGCGGAGATGCCGATCTCG 2295
Qy 121 AAAGAGACGAGCTGAGGAAGGTGAAGTGTGATCTGCGCTTTTGGACAGTCTAC 180
Db 2296 AAAGAGACGAGCTGAGGAAGGTGAAGTGTGATCTGCGCTTTTGGACAGTCTAC 2355
Qy 181 AAGGGCATCTGATATCCCTGATGGGAGAAATGTGAATAATTCAGTGGCATCAAAATGTTG 240
Db 2356 AAGGGCATCTGATATCCCTGATGGGAGAAATGTGAATAATTCAGTGGCATCAAAATGTTG 2415
Qy 241 AAGGAAAAACATCCCCCAAGCCAAACAAAGAAATTTTGAAGAGACATACGATGAGCT 300
Db 2416 AAGGAAAAACATCCCCCAAGCCAAACAAAGAAATTTTGAAGAGACATACGATGAGCT 2475
Qy 301 GGTGTGGGCTCCCATATGTCCTCCGCTTTCGGGAGTGTGCTGTGACATCCAGGTGACG 360
Db 2476 GGTGTGGGCTCCCATATGTCCTCCGCTTTCGGGAGTGTGCTGTGACATCCAGGTGACG 2535
Qy 361 CTGTGTGACAGCTTATGCTTATGCTGCTCTTATGACATGTCCGGGAAAAACCGCGGA 420
Db 2536 CTGTGTGACAGCTTATGCTTATGCTGCTCTTATGACATGTCCGGGAAAAACCGCGGA 2595
Qy 421 CGCTTGGGCTCCCAAGACCTGCTGAACCTGTGTATGCAATTTCCAAAGGAGATGAGCTAC 480
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Db 2596 CGCTGGGCTTCCAGAACCTGCTGATGTCAGATGTCGCAAGGGGATGACTAC 2655
Qy 481 CTGAGAGATGTGCGGCTGTACACAGGGACTTGGCCGCTCGAAAGTGTGTAAGAGT 540
Db 2656 CTGAGAGATGTGCGGCTGTACACAGGGACTTGGCCGCTCGAAAGTGTGTAAGAGT 2715
Qy 541 CCCAACATGTCAAAATTACAGACTTGGGCTGCTGCTGCTGACATTGACGAGACA 600
Db 2716 CCCAACATGTCAAAATTACAGACTTGGGCTGCTGCTGCTGACATTGACGAGACA 2775
Qy 601 GAGTACATGCAAGATGGGGGCAAGTGGCCCATCAAGTGGATGGGCTGAGATCCATTCTC 660
Db 2776 GAGTACATGCAAGATGGGGGCAAGTGGCCCATCAAGTGGATGGGCTGAGATCCATTCTC 2835
Qy 661 CGCCGGGCTTCCAGAACCTGCTGATGTCAGATGTCGCAAGGGGATGACTAC 720
Db 2836 CGCCGGGCTTCCAGAACCTGCTGATGTCAGATGTCGCAAGGGGATGACTAC 2895
Qy 721 ATGACTTTTGGGGCCAAACCTTACGATGGATGCCAGCCGGGAGATCCCTGACTGCTG 780
Db 2896 ATGACTTTTGGGGCCAAACCTTACGATGGATGCCAGCCGGGAGATCCCTGACTGCTG 2955
Qy 781 GAAAGGGGAGCGGCTGCCAGACCCCCCATCTGCAACCATGATGTCATATGATCATG 840
Db 2956 GAAAGGGGAGCGGCTGCCAGACCCCCCATCTGCAACCATGATGTCATATGATCATG 3015
Qy 841 GTCAATATGTTGATGATTTGATCTGAAATGTGCGCCAAAGTCCGGGAGTTGGTGTCTGAA 900
Db 3016 GTCAATATGTTGATGATTTGATCTGAAATGTGCGCCAAAGTCCGGGAGTTGGTGTCTGAA 3075
Qy 901 TTCTCCCGCATGGCCAGGGAACCCAGGCTTTGTGTCATCAAGATGAGACTTGGGC 960
Db 3076 TTCTCCCGCATGGCCAGGGAACCCAGGCTTTGTGTCATCAAGATGAGACTTGGGC 3135
Qy 961 CCAGCCAGTCCCTTGGACAGCACTTCTACCGCTCACTGCTGAGAGAGATGAGATGGGG 1020
Db 3136 CCAGCCAGTCCCTTGGACAGCACTTCTACCGCTCACTGCTGAGAGAGATGAGATGGGG 3195
Qy 1021 GACCTGGTGAATGCTGAGAGATCTGGTATCCCGACAGGAGCTTCTTGTGTCAGACCT 1080
Db 3196 GACCTGGTGAATGCTGAGAGATCTGGTATCCCGACAGGAGCTTCTTGTGTCAGACCT 3255
Qy 1081 GCCCGGGGCGCTGGGGGCAATGCTCACCAACAGGACCGCAGCTCATCTACAGAGATGGC 1140
Db 3256 GCCCGGGGCGCTGGGGGCAATGCTCACCAACAGGACCGCAGCTCATCTACAGAGATGGC 3315
Qy 1141 GGTGGGAGCTGACACTAGGGGCTGAGGCTCTGTGAAGAGAGGCCCCCAAGGTCTTCACTG 1200
Db 3316 GGTGGGAGCTGACACTAGGGGCTGAGGCTCTGTGAAGAGAGGCCCCCAAGGTCTTCACTG 3375
Qy 1201 GACCCCTCCGAAGGGGCTGGCTCGATGTATTGTAGTGTGACTGGGAAATGGGGGCAAGCC 1260
Db 3376 GACCCCTCCGAAGGGGCTGGCTCGATGTATTGTAGTGTGACTGGGAAATGGGGGCAAGCC 3435
Qy 1261 AAGGGGCTGCAAAAGCTTCCCAACATGACCCCAAGCCCTCTACAGCGGTACAGTAGGAGC 1320
Db 3436 AAGGGGCTGCAAAAGCTTCCCAACATGACCCCAAGCCCTCTACAGCGGTACAGTAGGAGC 3495
Qy 1321 CCCACAGTACCTCTGCTGTGAGACTGATGGCTACAGTGGCCCCCTGTGACTGAGAGCCC 1380
Db 3496 CCCACAGTACCTCTGCTGTGAGACTGATGGCTACAGTGGCCCCCTGTGACTGAGAGCCC 3555
Qy 1381 CAGCTGAATATGTAACCAAGCAGATGTTGGGGCCCAAGCCCTTGGCCCCCGAGAGGGC 1440
Db 3556 CAGCTGAATATGTAACCAAGCAGATGTTGGGGCCCAAGCCCTTGGCCCCCGAGAGGGC 3615
Qy 1441 CCTTGTCTGTGCTGCGCACTGTGTGTGCACTGTGAAAGGCCCAAGACTCTTCTCCA 1500
Db 3616 CCTTGTCTGTGCTGCGCACTGTGTGTGCACTGTGAAAGGCCCAAGACTCTTCTCCA 3675
Qy 1501 GGGAAAGATGGGGTGTCTCAAGAGCGTTTTTGTCTTTGGGGGTGCGGTGAGAACCCCGAG 1560
Db 3676 GGGAAAGATGGGGTGTCTCAAGAGCGTTTTTGTCTTTGGGGGTGCGGTGAGAACCCCGAG 3735

Qy 1561 TACTTGACACCCCGAGGAGAGCTGCCCTCAGCCCCACCTCTCTGCTTCAAGCCCA 1620
Db 3736 TACTTGACACCCCGAGGAGAGCTGCCCTCAGCCCCACCTCTCTGCTTCAAGCCCA 3795
Qy 1621 GCCTTGACAACTCTTATTACTGAGGACCAAGACCCACCAAGCGGGGGCTTCCACCAAGC 1680
Db 3796 GCCTTGACAACTCTTATTACTGAGGACCAAGACCCACCAAGCGGGGGCTTCCACCAAGC 3855
Qy 1681 ACCTTCAAGGAGACCTTACGGGACAGAACCCAGAGTACCTGGGTGTGAGGTGCAAGTG 1740
Db 3856 ACCTTCAAGGAGACCTTACGGGACAGAACCCAGAGTACCTGGGTGTGAGGTGCAAGTG 3915

RESULT 36

US-09-811-123-7
Sequence 7, Application US/09811123
Patent No. US2002001587A1
GENERAL INFORMATION:
APPLICANT: Sharon Erickson
APPLICANT: Ralph Schwall
APPLICANT: Mark Sliwowski
TITLE OF INVENTION: METHODS OF TREATMENT USING ANTI-erbB
FILE REFERENCE: GENENT.073A2
CURRENT APPLICATION NUMBER: US/09/811,123
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/238,327
PRIOR FILING DATE: 2000-10-05/530
PRIOR APPLICATION NUMBER: 09/602,530
NUMBER OF SEQ ID NOS: 11
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 9274
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Vector Sequence
US-09-811-123-7

Query Match 99.9%; Score 1738.4; DB 9; Length 9274;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AAGCGAGCGAGCGAGATCCCGAAGTACAGATGCGGAGACTGCGAGGAACGGAG 60
Db 3756 AAGCGAGCGAGCGAGATCCCGAAGTACAGATGCGGAGACTGCGAGGAACGGAG 3815
Qy 61 CTGCTGAGCGCGTGAACACCTAGCGGAGCATGCGCAACAGGCGCAGATGCGATCTTG 120
Db 3816 CTGCTGAGCGCGTGAACACCTAGCGGAGCATGCGCAACAGGCGCAGATGCGATCTTG 3875
Qy 121 AAGAGACGAGACTGAGGAAGTGAAGTGTGGATCTGGCGCTTTTGGCAAGTCTAC 180
Db 3876 AAGAGACGAGACTGAGGAAGTGAAGTGTGGATCTGGCGCTTTTGGCAAGTCTAC 3935
Qy 181 AAGGGCATCTGATCTCTGATGGGGAATGTGAATTTCCAGTGGCCATCAAGTGTG 240
Db 3936 AAGGGCATCTGATCTCTGATGGGGAATGTGAATTTCCAGTGGCCATCAAGTGTG 3995
Qy 241 AAGGAAACACATCCCCCAAGCCCAAGCAAGAAATCTTGAAGCAAGCATACGTATGGCT 300
Db 3996 AAGGAAACACATCCCCCAAGCCCAAGCAAGAAATCTTGAAGCAAGCATACGTATGGCT 4055
Qy 301 GGTGTGGGCTTCCCATATGTCTCCGCTTCTGGGCAATCTGCTGACATCCAGGTGAG 360
Db 4056 GGTGTGGGCTTCCCATATGTCTCCGCTTCTGGGCAATCTGCTGACATCCAGGTGAG 4115
Qy 361 CTGCTGACACAGCTTAAGCCCTATGCTGCTCTTAACCATGTCCGGGAAACCGGGGA 420
Db 4116 CTGCTGACACAGCTTAAGCCCTATGCTGCTCTTAACCATGTCCGGGAAACCGGGGA 4175

QY 421 CGCCTGGGCTCCAGAGACTGTGAACCTGTGTATGTAGAGATTGCCAAGGGGATGAGCTAC 480
DB 4176 CGCCTGGGCTCCAGAGACTGTGAACCTGTGTATGTAGAGATTGCCAAGGGGATGAGCTAC 4235
QY 481 CTGGAAGATGTGGGCTCTGTAACAGAGGATCTTGGCCGCTGGAAACGTGTGTCAAGAGT 540
DB 4236 CTGGAAGATGTGGGCTCTGTAACAGAGGATCTTGGCCGCTGGAAACGTGTGTCAAGAGT 4295
QY 541 CCCAACATGTCAAAATTATACAGCTTGGGCTGGCTGGCTGACATTTGACAGAGACA 600
DB 4296 CCCAACATGTCAAAATTATACAGCTTGGGCTGGCTGGCTGACATTTGACAGAGACA 4355
QY 601 GAGTACCATGTACAGATGGGGCAAGGTGCCATCAAGTGAATGGGCTGAGTCCATTCTC 660
DB 4356 GAGTACCATGTACAGATGGGGCAAGGTGCCATCAAGTGAATGGGCTGAGTCCATTCTC 4415
QY 661 CGCCGGGGGTTACCCACAGAGTGTGTGAGTTATGTGTGATCTGTGTGGAGCTG 720
DB 4416 CGCCGGGGGTTACCCACAGAGTGTGTGAGTTATGTGTGATCTGTGTGGAGCTG 4475
QY 721 ATGACTTTTGGGGCAAACTTTACGATGGGATCCACGCCGGGGAGATCCCTGACCTGCTG 780
DB 4476 ATGACTTTTGGGGCAAACTTTACGATGGGATCCACGCCGGGGAGATCCCTGACCTGCTG 4535
QY 781 GAAAAGGGGAGGGGCTGCCACAGCCGCCCATCTGACACATTTGATCTACATGATCATG 840
DB 4536 GAAAAGGGGAGGGGCTGCCACAGCCGCCCATCTGACACATTTGATCTACATGATCATG 4595
QY 841 GTCAATGTGTGATGATTTGACTGTGAATGTGTGGCAAGATTCGGGAGTTGTGTCTGAA 900
DB 4596 GTCAATGTGTGATGATTTGACTGTGAATGTGTGGCAAGATTCGGGAGTTGTGTCTGAA 4655
QY 901 TTCTCCCGGAGGCGCAGGGAGCCGCCAGGCTTTGTGTGATCCAGATGAGAGATTGGGG 960
DB 4656 TTCTCCCGGAGGCGCAGGGAGCCGCCAGGCTTTGTGTGATCCAGATGAGAGATTGGGG 4715
QY 961 CCAGCCAGTCCCTTGTGACAGACCTTCTACGCTCACTGTCTGAGAGAGCATGATGGGG 1020
DB 4716 CCAGCCAGTCCCTTGTGACAGACCTTCTACGCTCACTGTCTGAGAGAGCATGATGGGG 4775
QY 1021 GACCTGTGTGATGTGTGAGAGTATCTGTATCCCAAGAGGGCTTTCTGTCTCAGACCT 1080
DB 4776 GACCTGTGTGATGTGTGAGAGTATCTGTATCCCAAGAGGGCTTTCTGTCTCAGACCT 4835
QY 1081 GCGCGGGGCGCTGGGGGACATGTGTACACACAGGACCGGAGCTCATCTACAGAGTGGC 1140
DB 4836 GCGCGGGGCGCTGGGGGACATGTGTACACACAGGACCGGAGCTCATCTACAGAGTGGC 4895
QY 1141 GGTGGGAGCTGTGACATGAGGCTGAGGCTCTGTGAAGAGAGGCCCCAGGTCCTCACTG 1200
DB 4896 GGTGGGAGCTGTGACATGAGGCTGAGGCTCTGTGAAGAGAGGCCCCAGGTCCTCACTG 4955
QY 1201 GCACCTTCCGAAGGGGCTGGCTCCGATGTATTTGATGTGTGACTGTGGGATGGGGGAGCC 1260
DB 4956 GCACCTTCCGAAGGGGCTGGCTCCGATGTATTTGATGTGTGACTGTGGGATGGGGGAGCC 5015
QY 1261 AAGGGGCTGCAAAACCTTCCCAACATGACCCCAAGCCCTCAACGCGGTATAGTAGGAGC 1320
DB 5016 AAGGGGCTGCAAAACCTTCCCAACATGACCCCAAGCCCTCAACGCGGTATAGTAGGAGC 5075
QY 1321 CCCACAGTACCCCTGCTGTGAGACTGATGAGTACGTTGGCCCTCTGACCTGTGAGGCC 1380
DB 5076 CCCACAGTACCCCTGCTGTGAGACTGATGAGTACGTTGGCCCTCTGACCTGTGAGGCC 5135
QY 1381 CAGCTGAATATGTGAACACAGCCAGATGTTGGGCCCAAGCCCTTTGCCCCGAGAGGGC 1440
DB 5136 CAGCTGAATATGTGAACACAGCCAGATGTTGGGCCCAAGCCCTTTGCCCCGAGAGGGC 5195
QY 1441 CTTCTGCTGTGCTCCCACTGTCTGTGTCCACTGTGTGAAAAGGCCCAACATCTCTCCCA 1500
DB 5196 CTTCTGCTGTGCTCCCACTGTCTGTGTCCACTGTGTGAAAAGGCCCAACATCTCTCCCA 5255
QY 1501 GGAAGAAATGGGGTGTCAAGAGACGTTTTCCTTTGGGGGTGCGGTGAGAACCCCGAG 1560

DB 5256 GGAAGAAATGGGGTGTCAAGAGACGTTTTCCTTTGGGGGTGCGGTGAGAACCCCGAG 5315
QY 1561 TACTTGACACCCCAAGGAGAGAGTGCCTTACAGCCGCCCATCTCTCTCTGACGCCA 1620
DB 5316 TACTTGACACCCCAAGGAGAGAGTGCCTTACAGCCGCCCATCTCTCTCTGACGCCA 5375
QY 1621 GCCTTGACACCTCTATTACTGTGGACACAGACCCCAACAGAGCGGGGCTCCACCCAGC 1680
DB 5376 GCCTTGACACCTCTATTACTGTGGACACAGACCCCAACAGAGCGGGGCTCCACCCAGC 5435
QY 1681 ACCTTGAAAGGACACCTTACGAGAGAACCCAGATACCTGGGCTGTGACGTCAGTG 1740
DB 5436 ACCTTGAAAGGACACCTTACGAGAGAACCCAGATACCTGGGCTGTGACGTCAGTG 5495

RESULT 37
US-09-811-115-1
; Sequence 1, Application US/09811115
; Patent No. US20020035736A1
; GENERAL INFORMATION:
; APPLICANT: Erickson, Sharon
; APPLICANT: Schwall, Ralph
; APPLICANT: King, Kathleen
; TITLE OF INVENTION: HER-2 TRANSGENIC NON-HUMAN TUMOR MODEL
; FILE REFERENCE: GENENT. 034A
; CURRENT APPLICATION NUMBER: US/09/811,115
; CURRENT FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/189,844
; PRIOR FILING DATE: 2000-03-16
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 9274
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Vector Sequence
US-09-811-115-1

Query Match 99.9%; Score 1738.4; DB 9; Length 9274;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1739; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AAGGACGGCAGCAGAAAGATCCGAAAGTACACAGTGCAGACTGTGACAGAAACGAG 60
DB 3756 AAGGACGGCAGCAGAAAGATCCGAAAGTACACAGTGCAGACTGTGACAGAAACGAG 3815
QY 61 CTGTGGAGCCGTGACACCTAGCGGAGCGATGCCAACAGGCGCAGATGCCGATCTG 120
DB 3816 CTGTGGAGCCGTGACACCTAGCGGAGCGATGCCAACAGGCGCAGATGCCGATCTG 3875
QY 121 AAGAGACGAGCTGAGAGAGGTGAAGTCTTGGATCTGCGCTTTGGCAACGTAC 180
DB 3876 AAGAGACGAGCTGAGAGAGGTGAAGTCTTGGATCTGCGCTTTGGCAACGTAC 3935
QY 181 AAGGGCATGTGATCCCTGATGGGAGAAATGTGAAAATTCAGTGCATCAAGTGTG 240
DB 3936 AAGGGCATGTGATCCCTGATGGGAGAAATGTGAAAATTCAGTGCATCAAGTGTG 3995
QY 241 AAGGAAACACATCCCCCAAGCCCAACAAAGAAATCTTAAACGAGATACGTGATGGCT 300
DB 3996 AAGGAAACACATCCCCCAAGCCCAACAAAGAAATCTTAAACGAGATACGTGATGGCT 4055
QY 301 GGTGTGGGCTTCCCATATGTCTCCCGCTTCTGGGCAATCTGCTGAAATCAAGTGCAG 360
DB 4056 GGTGTGGGCTTCCCATATGTCTCCCGCTTCTGGGCAATCTGCTGAAATCAAGTGCAG 4115
QY 361 CTGTGACACAGCTTAAAGCTTAAAGTGTGCTCTTAAACATGTCGGGAAAAACGGGGA 420
DB 4116 CTGTGACACAGCTTAAAGCTTAAAGTGTGCTCTTAAACATGTCGGGAAAAACGGGGA 4175
QY 421 CGCCTGGGCTCCAGAGACTGTGAACCTGTGTATGTAGATGTGCCAAGGGGATGAGCTAC 480

| | | | |
|----|------|--|------|
| Db | 4176 | CGCCTGGGCTCCAGAGACTGCTGAACCTGGTGTATGACGATTTGCCAGGGGATGAGCTAC | 4235 |
| Oy | 481 | CTGGAGATGTGGGCTGTGACACAGGAGCTTGGCGGCTGGAACTGTGTCAAGAGT | 540 |
| Db | 4236 | CTGGAGATGTGGGCTGTGACACAGGAGCTTGGCGGCTGGAACTGTGTCAAGAGT | 4295 |
| Oy | 541 | CCCAACCATGTCAAAATTACAGACTTGGGGCTGGCTGGCTGTGTGACATTTGACAGACCA | 600 |
| Db | 4296 | CCCAACCATGTCAAAATTACAGACTTGGGGCTGGCTGGCTGTGTGACATTTGACAGACCA | 4355 |
| Oy | 601 | GAGTACCATGACAGATGGGGGACAGGTGGCCCATCAAGTGAATGGCGCTGAGTCCATTCTC | 660 |
| Db | 4356 | GAGTACCATGACAGATGGGGGACAGGTGGCCCATCAAGTGAATGGCGCTGAGTCCATTCTC | 4415 |
| Oy | 661 | CGCCGGCGGTTCACCACACAGATGATGTGAGATTATGGTGTGACTGTGTGGAGCTG | 720 |
| Db | 4416 | CGCCGGCGGTTCACCACACAGATGATGTGAGATTATGGTGTGACTGTGTGGAGCTG | 4475 |
| Oy | 721 | ATGACTTTTGGGGCCCAAACCTTACAGATGGGATCCAGGCCGGGAGATCCCTGACCTGCTG | 780 |
| Db | 4476 | ATGACTTTTGGGGCCCAAACCTTACAGATGGGATCCAGGCCGGGAGATCCCTGACCTGCTG | 4535 |
| Oy | 781 | GAAAAAGGGGAGCGGCTGCCACAGCCCCCACTGACCATTTGATGTCTACATGATCATG | 840 |
| Db | 4536 | GAAAAAGGGGAGCGGCTGCCACAGCCCCCACTGACCATTTGATGTCTACATGATCATG | 4595 |
| Oy | 841 | GTCAATGTGGATGATTTGACTCTGAAATGTGGGCCCAAGATTTCCGGGATTTGGTGTCTAA | 900 |
| Db | 4596 | GTCAATGTGGATGATTTGACTCTGAAATGTGGGCCCAAGATTTCCGGGATTTGGTGTCTAA | 4655 |
| Oy | 901 | TTTCTCCGCATGCGCAGGAGACCCCAAGGCTTTTGGTCACTCAGAAATGAGACTTGGGC | 960 |
| Db | 4656 | TTTCTCCGCATGCGCAGGAGACCCCAAGGCTTTTGGTCACTCAGAAATGAGACTTGGGC | 4715 |
| Oy | 961 | CCAGCAGTCCCTTGGACAGCACTTTACCGGCTCACGCTGGAGAGAGATGACATGGGG | 1020 |
| Db | 4716 | CCAGCAGTCCCTTGGACAGCACTTTACCGGCTCACGCTGGAGAGAGATGACATGGGG | 4775 |
| Oy | 1021 | GACCTGTGATGCTGAGAGATCTGTGTAACCCAGCAGGGCTTTCTGTCTCAGACCT | 1080 |
| Db | 4776 | GACCTGTGATGCTGAGAGATCTGTGTAACCCAGCAGGGCTTTCTGTCTCAGACCT | 4835 |
| Oy | 1081 | GCCCCGGGCGCTGGGGGCGATGCTCCACACAGGACCGGACGCTCATTCACAGAGTGGC | 1140 |
| Db | 4836 | GCCCCGGGCGCTGGGGGCGATGCTCCACACAGGACCGGACGCTCATTCACAGAGTGGC | 4895 |
| Oy | 1141 | GGTGGGGAACCTGACACTAGGGGCTGGAAGCCCTGTAAGAGAGAGCCCCAGGTTCCACTG | 1200 |
| Db | 4896 | GGTGGGGAACCTGACACTAGGGGCTGGAAGCCCTGTAAGAGAGAGCCCCAGGTTCCACTG | 4955 |
| Oy | 1201 | GCAACCTCCGAAGGGGCTGGGCTGCGATTTTATGATGTGACTGTGGAAATGGGGGACGC | 1260 |
| Db | 4956 | GCAACCTCCGAAGGGGCTGGGCTGCGATTTTATGATGTGACTGTGGAAATGGGGGACGC | 5015 |
| Oy | 1261 | AAGGGGCTGCAAGAGCTTCCCAACATGACCCCAAGCCCTTACAGCGGTACAGTGAAGAC | 1320 |
| Db | 5016 | AAGGGGCTGCAAGAGCTTCCCAACATGACCCCAAGCCCTTACAGCGGTACAGTGAAGAC | 5075 |
| Oy | 1321 | CCCAACAGTACCCCTGCTCTGTGACACTGATGGCTACGTTGGCCCCCTTACACTGACGCCCC | 1380 |
| Db | 5076 | CCCAACAGTACCCCTGCTCTGTGACACTGATGGCTACGTTGGCCCCCTTACACTGACGCCCC | 5135 |
| Oy | 1381 | CAGCCTGAATATGTGAACACAGCAGATGTTGGGCCCCGAGCCCTTGGCCCCGAGAGGGGC | 1440 |
| Db | 5136 | CAGCCTGAATATGTGAACACAGCAGATGTTGGGCCCCGAGCCCTTGGCCCCGAGAGGGGC | 5195 |
| Oy | 1441 | CCTGTGCTGTGCCCAACCTGTGTGTGCCACTGTGAAAGGCCCAAGACTCTCTCCCCA | 1500 |
| Db | 5196 | CCTGTGCTGTGCCCAACCTGTGTGTGCCACTGTGAAAGGCCCAAGACTCTCTCCCCA | 5255 |
| Oy | 1501 | GGGAAGAATGGGGTGTCAAAAGCTTTTGGCTTTGGGGGTGCCGTGGAACCCCGAG | 1560 |

| | | | |
|---|------|---|-------|
| Dd | 5286 | GAGAAAGATGGGGRGTCTCAAGAAGCTTTTTCCTTTGGGGGTGGCGTGGAACCCCGAG | 5315 |
| Oy | 1561 | TACTTGACACCCCAGGAGGAGCTGCCCTCAGCCCCAACCCTCTCTGCTTCAGCCCA | 1620 |
| Dd | 5316 | TACTTGACACCCCAGGAGGAGCTGCCCTCAGCCCCAACCCTCTCTGCTTCAGCCCA | 5379 |
| Oy | 1621 | GCGTTTCGACAACCTCTATTACTTGGGACACGAGCACACAGGGGGGGGCTCCACCAGC | 1680 |
| Dd | 5376 | GCGTTTCGACAACCTCTATTACTTGGGACACGAGCACACAGGGGGGGGCTCCACCAGC | 5435B |
| Oy | 1681 | ACCTTCAAAGGAGACCTTACCGGCAGAGAACCCAGAGTACTGGTCTGSAAGTGCACATG | 1740 |
| Dd | 5436 | ACCTTCAAAGGAGACCTTACCGGCAGAGAACCCAGAGTACTGGTCTGSAAGTGCACATG | 5495S |
| RESULT 38 US-09-930-125-5 ; Sequence 5, Application US/09930125 ; Publication No. US20020193329A1 GENERAL INFORMATION: ; APPLICANT: Hand-Zimmerman, Susan ; APPLICANT: Cheever, Martin A. ; APPLICANT: Foy, Teresa M. ; APPLICANT: Lodes, Michael J. ; APPLICANT: Kalos, Michael D. ; APPLICANT: McNeill, Patricia D. ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS ; TITLE OF INVENTION: OF HER-2/NEU-ASSOCIATED MALIGNANCIES ; FILE REFERENCE: 210121.544 ; CURRENT APPLICATION NUMBER: US/09/930.125 ; CURRENT FILING DATE: 2001-08-14 ; NUMBER OF SEQ ID NOS: 25 ; SOFTWARE: FastSeq for Windows Version 3.0 ; SEQ ID NO 5 ; LENGTH: 1806 ; TYPE: DNA ; ORGANISM: Homo sapiens US-09-930-125-5 | | | |
| Query Match 99.8%; Score 1736.8; DB 9; Length 1806; Best Local Similarity 99.9%; Pred. No. 0; Matches 1738; Conservative 0; Mismatches 2; Indels 0; Gaps 0; | | | |
| Oy | 1 | AAGCGACGGCAGCAGAAAGATCCGAAAGTACACGATGCGGAGACTGCTGCAGAAAACGAG | 60 |
| Dd | 61 | AAAGGAGCGGACAGGAAGATCCGAAAGTACACGATGCGGAGACTGCTGCAGAAAACGAG | 120 |
| Oy | 61 | CTGCTGAGCCCGCTGACACCTTAGCGGAGCGCATGCCCAACGAGCGCGAGATGCGATCCTG | 120 |
| Dd | 121 | CTGCTGAGCCCGCTGACACCTTAGCGGAGCGCATGCCCAACGAGCGCGAGATGCGATCCTG | 180 |
| Oy | 121 | AAAGAGACGGAGCTGAGAGAGGTGAAGGTGCTTGGATCTGGCGCTTTTGGCAGAGTCTAC | 180 |
| Dd | 181 | AAAGAGACGGAGCTGAGAGAGGTGAAGGTGCTTGGATCTGGCGCTTTTGGCAGAGTCTAC | 240 |
| Oy | 181 | AAGGCGATCTGGAATCCCTGATGAGGAGATGTGAAAAATCCAGTGGCCATCAAAAGTGTG | 240 |
| Dd | 241 | AAAGGCAATCTGGAATCCCTGATGAGGAGATGTGAAAAATCCAGTGGCCATCAAAAGTGTG | 300 |
| Oy | 241 | AGGAGAAAACACATCCCCAAAAGCCAAGAAATCTTTAGCGAAGCATACGTATGACT | 300 |
| Dd | 301 | AGGAGAAAACACATCCCCAAAAGCCAAGAAATCTTTAGCGAAGCATACGTATGACT | 360 |
| Oy | 301 | GGTGTGGGCTCCCATATGCTCCCGCTTCTGGGCACTGCGCAGATCCAGCGGTGAG | 360 |
| Dd | 361 | GGTGTGGGCTCCCATATGCTCCCGCTTCTGGGCACTGCGCAGATCCAGCGGTGAG | 420 |
| Oy | 361 | CTGTGTGACACAGCTTAATGCTTATGCTGCTCTTAAACCATGTCCGGGAAAACCGCGGA | 420 |
| Dd | 421 | CTGTGTGACACAGCTTAATGCTTATGCTGCTCTTAAACCATGTCCGGGAAAACCGCGGA | 480 |
| Oy | 421 | CGCCTGGGCTCCAGAGACTGCTGAATGCTGTATGCAAGATTGCCAAGGGGATGAGCTAC | 480 |

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|||||
Db 481 CGCTGGGCTCCCGAGACTGTGTAATGAGATGCGAAGGAGATAGCTAC 540
Qy 481 CTGGAGATGAGGAGCTGTACACAGGAGCTTGGCCCTGGGAACGCTGTCAAGT 540
Db 541 CTGGAGATGAGGAGCTGTACACAGGAGCTTGGCCCTGGGAACGCTGTCAAGT 600
Qy 541 CCACACATGTCAAAATTACAGACTTGGGCTGGCTGGCTGTGACATTGACGAGCA 600
Db 601 CCACACATGTCAAAATTACAGACTTGGGCTGGCTGGCTGTGACATTGACGAGCA 660
Qy 601 GAGTACCATGACATGGGGGCAAGTCCCATCAATGATGGCTGAGATCCATTCTC 660
Db 661 GAGTACCATGACATGGGGGCAAGTCCCATCAATGATGGCTGAGATCCATTCTC 720
Qy 661 CGCCGGGGTTCAACCCACAGATGATGTGTGATGATGATGATGATGATGATGATG 720
Db 721 CGCCGGGGTTCAACCCACAGATGATGTGTGATGATGATGATGATGATGATGATG 780
Qy 721 ATGACTTTTGGGGCCAAACCTTACGATGGATCCACGCCGGAGATCCCTGACTGTG 780
Db 781 ATGACTTTTGGGGCCAAACCTTACGATGGATCCACGCCGGAGATCCCTGACTGTG 840
Qy 781 GAAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGACCATGATGATGATGATGATG 840
Db 841 GAAAAGGGGAGCGGCTGCCCCAGCCCCCATCTGACCATGATGATGATGATGATG 900
Qy 841 GTCAAAATGTTGAGATTTGATCTGAAATGTGTGGCAAGATTCCGGGAGTTGTCTGAA 900
Db 901 GTCAAAATGTTGAGATTTGATCTGAAATGTGTGGCAAGATTCCGGGAGTTGTCTGAA 960
Qy 901 TTCTCCCGCATGAGCAGGAGACCCCAAGCTTTGTGATCTCAGAAATGAGACTTGGAG 960
Db 961 TTCTCCCGCATGAGCAGGAGACCCCAAGCTTTGTGATCTCAGAAATGAGACTTGGAG 1020
Qy 961 CCAGCCAGTCTCTTGGACAGCACTTCTACCGCTCACTGCTGAGAGACATGATGGGG 1020
Db 1021 CCAGCCAGTCTCTTGGACAGCACTTCTACCGCTCACTGCTGAGAGACATGATGGGG 1080
Qy 1021 GACCTGATGATGCTGAGAGATCTGTGATCCCAAGAGGGCTTCTGTGACAGACCT 1080
Db 1081 GACCTGATGATGCTGAGAGATCTGTGATCCCAAGAGGGCTTCTGTGACAGACCT 1140
Qy 1081 GCCCGGAGCGCTGGGGGATGTCCACACAGAGACCGGACTCATCTACAGAGATGGC 1140
Db 1141 GCCCGGAGCGCTGGGGGATGTCCACACAGAGACCGGACTCATCTACAGAGATGGC 1200
Qy 1141 GGTGGGAGCTGACACTAGGGCTGAGGCTCTGAAAGAGAGGCCCCAGGTTCTCACTG 1200
Db 1201 GGTGGGAGCTGACACTAGGGCTGAGGCTCTGAAAGAGAGGCCCCAGGTTCTCACTG 1260
Qy 1201 GCAACCTCCGAAGGGGCTGGCTCCGATGATTTGATGATGATGATGATGATGATGATG 1260
Db 1261 GCAACCTCCGAAGGGGCTGGCTCCGATGATTTGATGATGATGATGATGATGATGATG 1320
Qy 1261 AAGGGGCTGCAAAAGCTCCCAACATGACCCCAAGCCCTCTACAGCGGTACAGTAGAG 1320
Db 1321 AAGGGGCTGCAAAAGCTCCCAACATGACCCCAAGCCCTCTACAGCGGTACAGTAGAG 1380
Qy 1321 AAGGGGCTGCAAAAGCTCCCAACATGACCCCAAGCCCTCTACAGCGGTACAGTAGAG 1380
Db 1321 AAGGGGCTGCAAAAGCTCCCAACATGACCCCAAGCCCTCTACAGCGGTACAGTAGAG 1440
Qy 1321 CCAACAGTACCCCTGCTCTGAGACTGATGATGATGATGATGATGATGATGATGATG 1440
Db 1381 CCAACAGTACCCCTGCTCTGAGACTGATGATGATGATGATGATGATGATGATGATG 1440
Qy 1381 CAGGCTGAATATGTAACCAAGCAGATGTTGGGCCCAAGCCCTTGGCCCGGAGAGGGC 1440
Db 1441 CAGGCTGAATATGTAACCAAGCAGATGTTGGGCCCAAGCCCTTGGCCCGGAGAGGGC 1500
Qy 1441 CAGGCTGAATATGTAACCAAGCAGATGTTGGGCCCAAGCCCTTGGCCCGGAGAGGGC 1500
Db 1501 CAGGCTGAATATGTAACCAAGCAGATGTTGGGCCCAAGCCCTTGGCCCGGAGAGGGC 1560
Qy 1501 CAGGCTGAATATGTAACCAAGCAGATGTTGGGCCCAAGCCCTTGGCCCGGAGAGGGC 1560
Db 1560 CAGGCTGAATATGTAACCAAGCAGATGTTGGGCCCAAGCCCTTGGCCCGGAGAGGGC 1560
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Db 1561 GGAAGAGATGGGCTCTCAAAAGCTTTTGGCTTTGGGGGCTCCGTGAGAAACCCGAG 1620
Qy 1561 TACTTGAACACCCAGGAGAGAGTGCCTCCCTCAGCCCCACCTTCTCTGCTTCAAGCCA 1620
Db 1621 TACTTGAACACCCAGGAGAGAGTGCCTCCCTCAGCCCCACCTTCTCTGCTTCAAGCCA 1680
Qy 1621 GCTTGGACAACTCTATTACTGAGAACAGGACCCACAGAGCGGGGGCTTCAAGCTAC 1680
Db 1681 GCTTGGACAACTCTATTACTGAGAACAGGACCCACAGAGCGGGGGCTTCAAGCTAC 1740
Qy 1681 ACCTTGAAGAGGACACCTTACGAGAGAACCCAGAGTACCTGGGCTGAGAGTCCAGT 1740
Db 1741 ACCTTGAAGAGGACACCTTACGAGAGAACCCAGAGTACCTGGGCTGAGAGTCCAGT 1800
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RESULT 39

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US-09-769-508-1
; Sequence 1, Application US/09769508
; Patent No. US2002015527A1
; GENERAL INFORMATION:
; APPLICANT: STUART, SUSAN G.
; APPLICANT: MONAHAN, JOHN J.
; APPLICANT: LANGTON, BEATRICE CLAUDIA
; APPLICANT: HANCOCK, MIRIAM E. C.
; APPLICANT: CHAO, LORRINE A.
; APPLICANT: BLUFORD, PETER
; TITLE OF INVENTION: C-ERBB-2 EXTERNAL DOMAIN: GP75
; FILE REFERENCE: BEBIO-111-C1
; CURRENT APPLICATION NUMBER: US/09/769,508
; CURRENT FILING DATE: 2001-01-26
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4543
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (150) .. (3914)
US-09-769-508-1
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Query Match 99.7% Score 1735.2; DB 9; Length 4543;
Best Local Similarly 99.8% Pred. No. 0;
Matches 1737; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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RESULT 40
US-09-971-392-70
; Sequence 70, Application US/09971392
; Publication No. US20030134283A1
; GENERAL INFORMATION:
; APPLICANT: Peterson, David P.
; APPLICANT: Peterson, Cecelia I.
; TITLE OF INVENTION: GENES REGULATED IN DENDRITIC CELL DIFFERENTIATION
; FILE REFERENCE: PA-0029 US
; CURRENT APPLICATION NUMBER: US/09/971,392
; CURRENT FILING DATE: 2001-10-03
; PRIOR APPLICATION NUMBER: 60/237,652
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 260
; SOFTWARE: PERL Program
; SEQ ID NO 70
; LENGTH: 4606
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Template ID: 276948.4
US-09-971-392-70

Query Match 98.7%; Score 1718; DB 10; Length 4606;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1740; Conservative 0; Mismatches 0; Indels 2; Gaps 2;
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